THE FOCAL SPOT

Second International Convention
CSRT-ASXT, Washington, D.C.
June 8-13, 1957

CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS
SCIENTIA ET MORES

JOURNAL OF THE CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS

NIF* made this time available

Speed up cassette loading time 45%!

With NIF, Du Pont's new Non-Interleaved Film, you can load 100 cassettes in 15 minutes—almost half the time it once took! NIF comes in a NEW PACKAGE that contains *only* film. There is no interleaving paper.
Get 76% more storage space with NIF—super-hardened, abrasion-resistant—tested for more than two years in over 50 x-ray laboratories. For on-the-job proof that interleaving paper is no longer needed.

9 reasons why NIF is better for you

1. simplifies cassette loading
2. speeds up cassette loading
3. keeps your darkroom neater
4. frees valuable storage space
5. reduces handling of boxes
6. saves weight
7. lessens possibility of crown and free static
8. removes a major source of lint and dust
9. cuts danger of radioactive contamination

WHEN *YOU* ORDER FILM SPECIFY DU PONT NON-INTERLEAVED FILM

DU PONT
CANADA

DU PONT COMPANY OF CANADA (1956) LIMITED
PHOTO PRODUCTS, 85 EGLINTON AVE. E., TORONTO 12, ONT.
SALES OFFICES ACROSS CANADA IN MONTREAL, TORONTO, WINNIPEG, CALGARY AND VANCOUVER

*NON-INTERLEAVED FILM

6833

WATCH

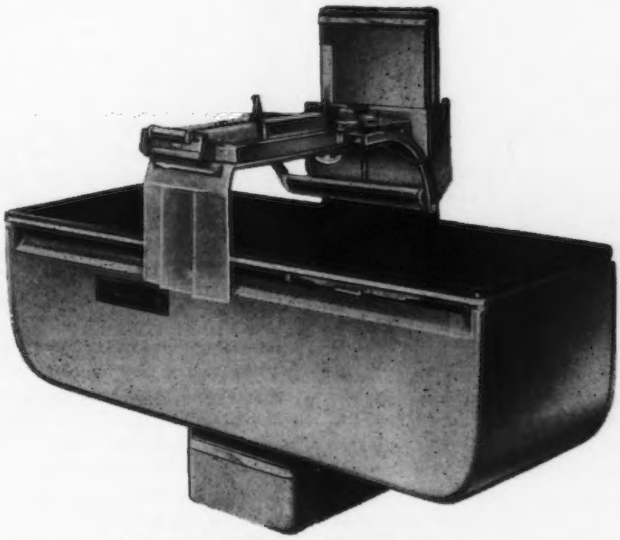
WESTINGHOUSE!

MEDICAL
X-RAY

NOW SOLD AND SERVICED

through the nationwide facilities of

X-RAY AND RADIUM INDUSTRIES LTD.



The FLUORADEX "180"—positive, motor-driven tilting from vertical through horizontal to 90° Trendelenberg.

X-ray AND Radium INDUSTRIES LIMITED

261 DAVENPORT ROAD, TORONTO, ONTARIO

Exclusive distributors for
Westinghouse Electric International Company, Sanborn Company, Siemens-Reiniger-Werke, Georg Schonander, AB.

News Items from the Provinces

BRITISH COLUMBIA DIVISION C.S.R.T.

PLACEMENT BUREAU
MISS PAT ROGERS, R.T.
1726 West Broadway
Vancouver, B.C.
Radiologists and Technicians are invited to use this service.

VANCOUVER MAINLAND BRANCH

The March meeting was held at the B.C. Cancer Institute and was devoted to the showing of the movies taken by Mr. Derrald Thompson at the C.S.R.T. Meeting in Victoria. The films were very much enjoyed but the attendance left much to be desired. The Membership Committee works hard to try and get members out to meetings, but their efforts are not too successful. Miss Rita Fisher was in the chair and is doing a good job in her first shot in the chair. Refreshments were served at the end of the meeting by the staff of the Institute.

Work is now going ahead with plans for the B.C. Division Annual Meeting to be held on May 3rd at Port Alberni, B.C. Mr. Marvin Lockwood has been working hard with the help of his committee to make this a good meeting, and the only thing to assure complete success is the co-operation of the members. Port Alberni is a lovely place in the summertime and the programme promises to be most interesting both educationally and socially. We would like to urge all members to make this week-end a point on the calendar to be remembered. Motorcades are expected to make the journey, so many who haven't got cars should be able to get a lift by paying part of the driver's expenses.

The April meeting was held at the Royal Columbian Hospital in New Westminster and as usual a fairly good turnout of members resulted. Every time we make that visit the members respond better than they do when the meetings are held in Vancouver. Miss Fisher was in the chair and a lot of matters came up for discusion. Resolutions for the Washington meetings were given an airing and the members were quite frank in their criticism. Nine delegates were selected to represent the Vancouver Branch at the meeting to be held in Port Alberni. A hall has been booked for the Christmas Patry to be held next December at which time we honor our successful candidates for the R.T. Examination.

After the business was disposed of the speaker for the evening, Mr. John Graves, was introduced. He is a representative of the Munshaw Colour Service and he gave a most interesting talk on Colour Photography. Many of our members are fond of this hobby and learned a great deal of useful information. Refreshments were served by the X-ray Staff of the hospital. The evening proved to be one of varied interests and it is hoped that we may expect a continued good attendance at future meetings.

A proposal to hold a combined supper and business meeting was passed and this will be held in June. The date to be announced later. Perhaps reports of the Washington meeting will be given and this should prove to be of great interest to those who are unable to make the journey to the Second International Meeting.

Although Spring is actually on the Coast, the weather leaves much to be desired in the way of warmth. However, when we look at the blizzards and tornadoes which are driving across the western plains perhaps we should be thankful we live on the salubrious Pacific.

VANCOUVER ISLAND BRANCH

This Branch seems to keep very active and all sorts of events are taking place from time to time. The March meeting was held at St. Joseph's Hospital with the President, Mr. Derrald Thompson, in the chair. Delegates for the B.C. Annual Meeting were selected as follows: Mrs. K. Bates, Mrs. L. Petkovich, Miss M. Turigan and Mr. H. Ward. The caps to be worn by girl technicians were on exhibition.

continued on page 56

New corrosion-proof design... same pre-setting advantage

Accurately times any pre-set interval from 15 seconds to 2 hours

NOW in a molded case of high-impact, pearl-gray styrene—General Electric mechanical interval timer shrugs off water, chemicals, physical abuse. The large figures are easy to read even in the red light of a darkroom. Handy, accurate — and there's no complicated mechanism to get out of order. Order from your G-E x-ray representative or local office of X-Ray Department, General Electric Company, Milwaukee 1, Wisconsin.

Progress Is Our Most Important Product

GENERAL ELECTRIC

ALBERTA DIVISION C.S.R.T.

PLACEMENT BUREAU
WM. ANDRAIS, R.T.
540 Tegler Building
Edmonton, Alberta
Radiologists and Technicians are invited to use this service.

EDMONTON SECTION

The February meeting of the E.S.R.T. was held at the Misericordia Hospital with a large attentance. Frank Calloway, R.T., gave an interesting and informative talk on "Technical Training." He stated that if all goes well, 1958 candidates will have a choice of writing either Diagnostic Radiography or Diagnostic Radiography and Therapy.

Eileen Towart, R.T., gave the report of the "Awards Committee." She stated that all applications for the Provincial Exhibit must be submitted by May 1st, 1957. The completed exhibit must then be submitted not later than June 1st, 1957. All entries should be sent to Mr. R. K. MacQueen, 540 Tegler Building, Edmonton, Alberta. So let's get busy and co-operate with this committee and make it a success.

Miss Joan Graham reported on the Education Committee, reminding the May candidates that they have only twelve more weeks until the great day arrives, May 4th, 1957, to be exact.

Miss Phyllis Kruhlak, convenor of the Provincial Convention Committee, stated that the coming convention will be held at the Aberhart Memorial Sanitorium.

Dr. Mallett's office then treated us to coffee and hot dogs.

The March meeting of the E.S.R.T. was again held at the Misericordia Hospital. James Ohnysty, R.T., chairman of the Programme Committee, reported that the election of the 1957-58 officers would take place at the April meeting, that is, April 1st, 1957, at 8.00 p.m. sharp. He also stated that we would be holding a year-end party, the date to be announced later.

Mrs. Maxine Bradshaw, R.T., convenor of the "Ways and Means Committee," stated they were holding a raffle on a mantle radio. Each R.T. is asked to sell two books, while each student should sell one book. Draw will be made April 2nd, 1957.

Mr. Ken MacKenzie, General Electric X-Ray Serviceman, then gave us a short talk on "Industrial X-Ray." He also spoke on the total maximums permissible dose and the common everyday questions which patients ask technicians.

Lunch was then served by the Allen Clinic, W.C.B. Rehabilitation Centre.

—SHEILA KROETSCH, R.T.,
Sub-Editor.

B. C. continued from p. 54

There were several types and the members picked a suitable one and this will eventually be passed at the annual meeting. Mr. Thompson reported the sudden passing of Dr. S. Janowsky and condolences were sent to his family. The students of the hospital put on a Shadow Show which proved to be very entertaining and amusing.

The April meeting will be held at the Royal Jubilee Hospital and there will be a Panel Discussion which always proves popular.

Mrs. Petkovich reported that progress was being made on the Students' Graduation Party. Students in this Branch are certainly given the red carpet treatment—but of course they are very nice girls and deserve such good treatment.

We just hate to talk about such things, BUT, there are some members who have not as yet paid their 1957 dues. Sssh! I also hear via the grapevine that some haven't even paid 1956. Well! You folks should remember it takes oil to run any machine!

All technicians looking for positions, either relief, or for permanent work, should get in touch with the Placement Bureau.

Mr. Stirling, editor-at-large, has been at work for over a month but is still not free from aches and pains. Herpes just hates to let go!

—W. Q. STIRLING, R.T.,
Sub-Editor.

ILFORD LIMITED

announce that

Positioning in Radiography

SEVENTH EDITION

by

K. C. CLARK

is now available in Canada from

W. E. BOOTH COMPANY LIMITED

TORONTO, ONTARIO

Canadian Representative

W. E. Booth Company Ltd.
12 Mercer Street
Toronto 2B, Ontario

Please send me ..... copies of POSITIONING IN RADIOGRAPHY.

Enclosed is cheque for ..... ($22 for each copy) which covers the full cost, including shipping charges.

NAME .....

ADDRESS .....

CITY ..... ZONE .....

PROV. .....

CH 3-57

For further information, call or write your X-Ray dealer, or mail the attached coupon.

MANITOBA DIVISION
C.S.R.T.

PLACEMENT BUREAU
MISS OLIVE GUNDRUM, R.T.
X-Ray Dept.
Winnipeg General Hospital
Radiologists and Technicians are invited to use this service.

1957 saw our new executive start with a bang at our first meeting held Tuesday, January 15th, at the offices of the General Electric X-Ray Corporation. We reviewed the nominations for chairmanship of the 1958 Dominion Convention which is to be held in Winnipeg, and were reminded that next month we are voting on this matter, so it requires some serious thought.

A motion was passed that the secretary inquire to see if we may obtain a room and cupboard space to use as permanent meeting place for our Society meetings, the suggested place being the new Medical College.

As we are now incorporated and our new charter accepted, it was necessary to elect a Second Vice-President and Treasurer. Mr. Al Kozak was elected Second Vice-President and Miss Henriette Toupin elected Treasurer, both by acclamation.

A motion was passed giving the Second Vice-President a petty cash account of $50.00 for the year to cover the cost of film rentals, etc., for our programmes.

Mr. Dave Enns of General Electric X-Ray Corporation showed wonderful short films. One was about Cinefluorography and showed people swallowing barium, a girl putting lipstick on and a wonderful demonstration of temporomandibular joints. A third one on Angiocardiography demonstrated in a remarkable manner the aorta and various abnormalities of the pulmonary system.

Miss Emma Gendre, Secretary, read a letter sent by the Society to Mr. Phil Beaupre, R.T., extending our good wishes and thanks to him for the services he gave while he was with us.

Manitoba has decided to send in a resolution to be put before the Convention in Washington to the effect that all ordinary and associate members be levied a sum of $2.00 to help defray costs of Conventions.

A film on "Positioning of the Cervical Spine" was then shown.

The X-Ray Department, Deer Lodge Hospital, was our genial host for our February meeting.

The meeting opened with an excellent paper of the "Internal Fixation of the Femur" by Mr. Jake Enns, R.T. Mr. Enns gave a description of this "Hip-pinning" and of the bony formation of the femur.

A plea was sent out by the Phone Committee headed by Shirley Stangl, to have people print their names in the attendance book and to give their home phone numbers so they may be more easily contacted.

Our Provincial Delegate, elected by acclamation, is Mr. Hugh Gibson, R.T.

A movie entitled "First a Physician," courtesy DuPont Company of Canada Ltd., was then shown.

Mr. Des Butler, R.T., was elected General Chairman of the 1958 Dominion Convention to be held in Winnipeg.

An outstanding lunch was served by the staff of the X-Ray Department of Deer Lodge Hospital.

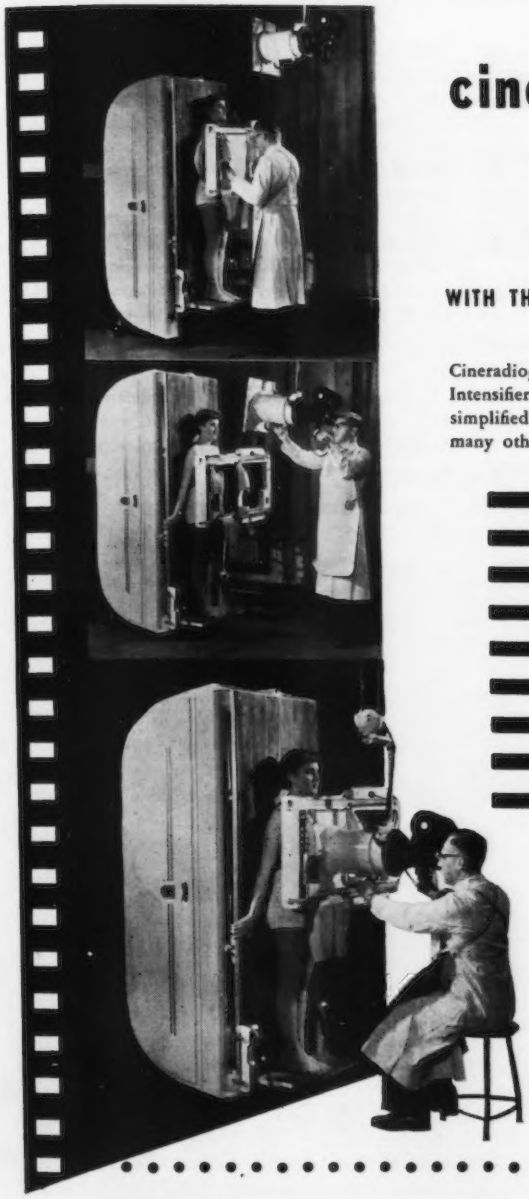
The Nurses' Residence of the Grace Hospital was the stomping ground for all the faithful members of the Manitoba Division, come the evening of March 19th.

The programme was headed by Mr. A. Kozak, R.T., Programme Chairman, who introduced Mr. T. J. Cummings, Executive Director and Secretary-Treasurer of the Sanatorium Board of Manitoba and also President of the Manitoba Associated Hospitals. Mr. Cunnings spoke on Public Relations and Employee Relations. He gave a very clear explanation of the new inclusive rates to go into effect in Manitoba Hospitals shortly. He also gave us some very startling figures on the T.B. preventive services and dwelled largely on the hospital admission chest films, something very close to our hearts.

After the reading of the minutes Miss Steski, chairman of the Graduation Committee, gave her report on the Graduation.

Mr. Des Butler, chairman of the 1958 Dominion Convention, gave a report on the pro-

continued on page 60



cineradiography

IS NOW ROUTINELY

simple

WITH THE PHILIPS IMAGE INTENSIFIER

Cineradiography a combination of the Image Intensifier and a 35 mm Cine Camera provides simplified facilities for a positive diagnosis in many otherwise difficult cases, such as:

- congenital synostosis,
- navicular pseudoarthrosis,
- humero-ulnar fractures,
- angiography,
- bronchography,
- cardial spasms,
- gastroenterostomy,
- diaphragmatic hernia,
- cholelithiasis.

The manipulation of the Philips Cineradiographic Unit is as easy as operating a simple Camera. In an instant, the overhead suspended unit is adapted to any spot film device and as easily disengaged in an effortless operation.

PHILIPS *serving mankind through the science of electronics*

PHILIPS INDUSTRIES LIMITED (X-Ray and Electro-Medical Apparatus Division)
116 Vanderhoof Ave., Toronto, Tel MO. 3591 — 8525 Decarie Blvd., Montreal, Tel. RI. 4-5871

MAN. from page 58

gress of the Convention. Chairmen of the various committees have already begun their work. Mr. Butler would welcome any suggestions for financing the Convention.

Mr. Doern gave a report on the progress of the International Convention in Washington this year and he stressed the importance of making reservations now. Mr. Doern also told us that a joint instalation of officers is being considered at the International Convention.

A. Kozak told us that the Committee was considering having two sessions at the 1957 Manitoba Hospitals and Nursing Convention in October. It was moved that we have one afternoon session for senior technicians and one evening session for the entire Manitoba Division.

The Executive was appointed to choose a committee to investigate the movement under way in Winipeg Hospitals to cut to less than twenty-eight days the x-ray technician's holidays. We have the wholehearted support of the radiologists and the Manitoba Division hopes to do everything possible to aid the people already affected by this and to try and prevent it from happening to others.

Mr. Jake Enns was elected chairman, 1958 Graduation Committee.

The meeting closed and a very tempting lunch and coffee was served by the charming staff of the X-Ray Department, Grace Hospital.

MANITOBA DIVISION, C.S.R.T., 1957 GRADUATION

Thirty-one radiological technicians received their certificates at the second annual Commencement Exercises of the Manitoba Division,

con. page 62

Manitoba Division C.S.R.T. Graduation Exercises February 16th, 1957

Back Row, left to right: Evelyn Goebel, St. Boniface Hospital; Shirley Sullivan, Winnipeg General Hospital; Naomi Wener, Victoria Hospital; Feri Stoekel, Winnipeg General Hospital; Patrick Barrett, Sanitorium Board of Manitoba; Orville Buhler, Sanitorium Board of Manitoba; Shirley Puttee, Winnipeg General Hospital; Margot Macpherson, Winnipeg General Hospital; Marlene Steward, Winnipeg General Hospital.

Centre row, left to right: Marilyn Armstrong, Children's Hospital; Judy Berman, Children's Hospital; Stephanie Skura, Misecordia Hospital; Ella Tucker, St. Boniface Hospital, Jeanette Gregory, Victoria Hospital; Zita Citron, European Technician; Shirley Hawkins, Brandon General Hospital; Norma Sharp, Misercordie Hospital; Marion Bowen, St. Boniface Hospital.

Front row, left to right: Marcia Sitko, Winnipeg General Hospital; Rachelle Raisen, Mount Carmel Clinic; Sister St. Aime, Misercordia Hospital; Reeta Lumsden, Grace Hospital; Margaret Chalmers, Grace Hospital.

Missing from picture: Mary Buhr, Marjorie Etsell, Donna Griffith, Gudmunder Myrdal, Ed Rokosh, all Manitoba Government X-ray Students; August Schmecko, Hans Schurath, Sanitorium Board of Manitoba, and Sister Therese Pelletier, St. Boniface Hospital.

Honoured names in the X-RAY FIELD

WATSON
X-RAY EQUIPMENT

One of the oldest companies in the industry, with an international reputation for quality, the Watson X-Ray range is now available in Canada.

GEVAERT X-RAY FILMS

OSRAY Non-screen, exceptionally high speed, sheets individually wrapped.

CURIX Blue base for use with intensifying screen.

SCOPIX Green or blue sensitive—for miniature chest work.

Also world-famous Gevaert photographic films - papers. Voigtlander and Linhof Cameras

For full information write

UNITED ELECTRIC X-RAY COMPANY

Halifax - Montreal - Toronto - Winnipeg - Vancouver

GEVAERT—Uniting two of the oldest names in X-Ray—**WATSON**

SASKATCHEWAN DIVISION C.S.R.T.

REGINA SECTION

At our first meeting for 1056-57 which took place in October, the new executive was elected as follows:

President: Mr. Ed. Bailey, R.T.

Vice-President: Miss Pauline Houlihan.

Secretary-Treasurer: Miss Gladys Hetterly, R.T.

Since that first meeting in October we have had two meetings, one at the Medical Arts Clinic in November and the January meeting at the Regina General Hospital. At the January meeting Dr. B. Bachynski gave a very informative and interesting talk on Scoliosis supplemented by x-rays and slides. This talk was thoroughly enjoyed by all members present. The Regina Branch has been invited to hold their February meeting at the Providence Hospital in Moose Jaw.

Plans are being made for the Annual Convention which will be taking place in Regina on May 20th, 1957. The Regina General Hospital will be hosts to all x-ray technicians on that day and of course, to round the convention there will be a banquet and dance in the evening.

The annual Christmas party for the x-ray technicians was held at the CKRM Studio Rumpus Room on December 18th, 1956. Dancing was enjoyed by all members present, music supplied by the Art Maier Trio. A turkey lunch was served. There was one mishap at this party, and it's still a mystery to all. What happened? MISSING: Fourteen dozen dainty cookies.

Cupid again paid a visit to Regina when Miss Verna Saunders, R.T., Regina General Hospital, was married to Curtis Christopher on November 29th, 1956.

Sporting an Christmas diamond is Miss Marge Malog, Regina General Hospital; lucky guy, George Keenan.

Also in line for felicitations is Edith Mc-

continued on page 96

MAN. con. from page 60

C.S.R.T., on the afternoon of February 16th, in the new Auditorium of the Medical College, University of Manitoba.

Rev. J. Burton Thomas, Dean of Rupert's Land, guest speaker, was introduced by Master of Ceremonies Wm. Doern, R.T. Rev. Thomas encouraged the graduates to follow their ideals and dreams and not let the baser needs of life dim those pursuits. Dr. M. K. Kiernan, M.D., representing the C.A.R., told of the necessity of medical teamwork and the opportunities now available in the world of radiography.

Miss Shirley Puttee gave the Valedictory Address on behalf of the graduates.

Dr. C. W. Hall, M.D., Director of Radiology at St. Boniface Hospital, presented the graduates with their certificates and led the class in the Technicians' Pledge. Hugh Gibson, R.T., President, Manitoba Division, C.S.R.T., presented the graduates with their pins. Very Rev. J. Burton Thomas pronounced the Benediction. Miss Enid Stemshorn was soloist.

Following the ceremony tea was served by the Registered Technicians to the Graduates and their guests. A banquet and dance followed in the evening at the Assiniboine Hotel.

A rather solemn break during the evening's festivities was a presentation of a crest emblazoned lighter, by Mr. Hugh Gibson, R.T., to Mr. M. Maki, representative of DuPont Co. of Canada, Film Division.

Yes, we were sad, because Manitoba was losing "Mel" as he is called by his friends near and far. Yet, we were pleased that "Mel" could be with us at this Graduation as he had at so many in the past. It was because of his untiring efforts towards our Graduations and other events that we felt it necessary to let him know that we would miss and that we were very grateful for all the wonderful help he gave us during his stay in Manitoba. We hope to see him every so often even though his headquarters will now be in the "Stampede City," Calgary.

The dancing ended at midnight but I'm sure the festivities carried on far into the night.

Our sincere thoughts go to the Manitoba Association of Radiologists for their generous support of this affair.

The Graduating Class of 1957 have asked me to express their sincere thanks to all those responsible for the Graduation Ceremonies and Banquet.

—YVONNE SMITH, R.T.,
Sub-Editor.

ANSCO PRESENTS:

Children's Radiographic Technic

STUDY NO. 5

ORBITS: POSITION FOR OPTIC FORAMINA

Optic foramina demonstrations are most easily taken with the cassette flat and with the patient prone and placed so that the malar bone, the top of the orbit, and the side of the nose are in uniform contact with the film. Tube is in perpendicular position.

TECHNIC

CENTRAL RAY IS DIRECTED AT THE CENTERED EYE

Age Group	K.V.	M.A.	M.A.S.	Dist.*	Time	Alternate Time 100 M.A.	Remarks
up to 3 mo.	60-63	200	10.	close	1/20	1/10	3" cone
up to 2 yrs.	60-63	200	13.33	close	1/15	1/8	3" cone
2 to 5 yrs.	60-63	200	20.	close	1/10	2/10	3" cone

*NOTE: Distance "close" allows 2 inches from cone to child's head.

Film: ANSCO HIGH SPEED Developer: ANSCO LIQUADOL

Easy readability . . . good speed . . . wide latitude—all contribute to giving you cleaner, clearer radiographs with Ansco X-ray Films. You'll get the best possible results by processing in Ansco X-ray Chemicals.

Ansco
OF CANADA LIMITED
Toronto, Canada
"From Research to Reality"

FOR REPRINTS OF THIS ADVERTISEMENT, WRITE THE X-RAY DEPARTMENT OF ANSCO

ONTARIO SOCIETY OF RADIOGRAPHERS

CENTRAL SECTION

The January meeting of the Central Section was held on January 25th at the Toronto Western Hospital. Mr. Ed Lidke welcomed the technicians to the Hospital. Speakers for the evening were Mr. Dick Yamanaki, S.Sc., and Mr. Bob Bradley.

Mr. Yamanaki with the use of a board rigged with an X-ray circuit gave a demonstration of how X-rays are produced from a commercial supply of electricity and Mr. Bradley spoke on "Diaphragms" and their use in eliminating secondary fog.

A discussion then followed as to how a required amount would be raised for the forthcoming International Convention, but no decision was reached. The meeting was then adjourned and the group retired to the cafeteria where refreshments were served.

The February meeting of the Central Section was held on February 22nd at the St. Catharines General Hospital. The technicians were welcomed by Dr. Zumpstin, radiologist. There were two papers during the evening, one on Gall Bladders by Mr. Burt McBride, the other entitled "Interesting Aspects of Radiology" by Dr. McPhilips, assistant Radiologist. Dr. McPhilips' main topic from this broad field was "spines".

It was announced a raffle would be held to raise the amount needed for the convention.

The meeting was then adjourned and a social hour was enjoyed with refreshments being served.

On Wednesday, April 24th, a most interesting meeting was held at the Women's College Hospital, Toronto.

It was particularly unfortunate that a heavy thunderstorm came up just about the time people would be leaving for the meeting. This delayed out-of-town visitors and doubtless discouraged some of the Toronto members. Hence the attendance was disappointingly small—only about thirty-five—half the number expected. Mrs. Betty Mills, chief technician at the hospital, introduced the subject of Gall Bladder Examinations, mentioning the value of the two-dose method in certain cases and also showed her ingenuity in the matter of compression. She discovered some plastic Easter eggs, which, placed on the table with the patient lying on the rounded surface of the half-egg, gave far better radiographs of the area, sometimes revealing stones which were not discernible in the flat film. Dr. Forbes, radiologist, described the methods used and the indications for intravenous cholangiography and Dr. Gray, surgeon, dealt with the matter of operative cholangiography, which they have classified into A, B and C groups according to the type of case and methods used. These three talks proved to be most informative and were delivered in an interesting manner. Mrs. Mary Cameron expressed our thanks to the speakers for their presentation.

The evening concluded with an unusual series of Kodachrome slides, "The World of X-Rays," presented by Mr. Dick Robinson, Canadian Kodak representative. These dealt with the many other uses of x-rays besides those with which we are familiar, including Fossils, Mummies, Metallurgy—with a huge radiograph of a whole car on one film and with one exposure—Botany, Art and many other interesting facets.

After particularly good refreshments which we were sorry more were not there to enjoy, the members proceeded to the new five-room x-ray department and studied the many possibilities of the three General Electric Imperial units recently installed, Mr. Charlie Moye, G.E. representative, answering the many questions evoked by these handsome machines.

—JOAN DUNCAN, R.T.,
Secretary.

WESTERN SECTION

A meeting of the Western Section was held at Westminster Hospital on Wednesday evening last, January 23rd, 1957.

This was a combined meeting of radiologists and technicians and our genial host, Dr. W. L. Teskey, welcomed fifteen Radiologists and forty-three Radiographers to this combined gathering, expressing the pleasure of all at the wonderful turn-out on a night when road conditions were anything but ideal and the local people hardly expected to see any out-of-towners.

Both groups joined to view the very excellent movie film entitled "Contrast Radiography and Cinefluorography of the Genito-Urinary Tract," courtesy of Winthrop-Stearns, and then adjourned to separate rooms, the Radiologists to discuss plans for the Radiological Convention in London in 1958, and the Radiographers to hear a paper presented by Mr. Ralph Silverthorne, Senior Technician at Westminster Hospital.

New, Well Tolerated Medium for Excretory Urography

94%

DIAGNOSTIC FILMS

in a series of 1123 patients

Hypaque SODIUM
50% solution

Write for detailed literature or consult your local Winthrop representative.

WINDSOR, Winthrop LABORATORIES OF CANADA LTD ONTARIO

Hypaque sodium, brand of diatrizoate sodium (sodium 3,5-diacetamido-2,4,6-triiodobenzoate)

The Focal Spot

Journal of the Canadian Society of Radiological Technicians

"All our ambitions should be devoted to a faithful fulfilment of duties towards others as well as to ourselves."—Roentgen.

LESLIE J. CARTWRIGHT, R.T.
EDITOR

Volume 14 TORONTO 1957 NO. 2 *Issue No. 55*

Some Suggestions for Radiography of the Mandible 69
Florence Walther, R.T., Victoria, B.C.
Orientation Labels for Radiographs 73
Anna C. Mottram, R.T., Victoria, B.C.
Convention News:
Broad Horizons 78
Jean I. Widger, R.T.
A Message from C.S.R.T. President David C. Sage, R.T. 78
A Message from Canadian Convention Co-Chairman G. A. Wilkinson, R.T. 79
Interim Report Committee on Technical Training 80
Resolutions ..... 81 and 83
Washington, D.C. 82
Isabel M. Petrie, R.T.
Second International Convention Programme 84-89
Who's Who at the Convention 90-92
Refresher Course Lecturers . 72, 77 and 89
1957 C.S.R.T. Registry ..... at Page 76
Provincial News:
British Columbia 54
Alberta 56
Manitoba 58
Manitoba Graduation Group 60
New Brunswick 99
Ontario ..... 64 and 93
Quebec ..... 96 and 98
Saskatchewan 62
Technicians Wanted 100

EDITOR
LESLIE J. CARTWRIGHT, R.T.
Hospital for Sick Children, Toronto
BUSINESS MANAGER
LOUIS A. STANISZEWSKI, R.T., Sunnybrook Hospital, Toronto

ASSISTANT EDITOR
ETHEL M. CAVE, R.T.
St. Michael's Hospital, Toronto, Ont.
CIRCULATION MANAGER
HUGH J. MENAGH, R.T., 555 University Ave., Toronto

SUB-EDITORS

Alberta
Edmonton Section
MISS SHEILA KROETSCH,
540 Tegler Bldg., Edmonton

Calgary Section
MISS HELEN G. GRASSICK.
R.N., R.T.
General Hospital, Calgary

British Columbia
W. Q. STIRLING, R.T
297 W. 46th Ave., Vancouver

Manitoba
MISS YVONNE SMITH, R.T.
General Hospital, Winnipeg

New Brunswick
MISS A. CLARE HUTCHISON,
R.T.
St. Joseph's Hospital,
Saint John, N.B.

Newfoundland
MISS ELIZABETH BAKER,
R.N., R.T.
St. Clare's Mercy Hospital,
St. John's, Nfd.

Nova Scotia (Central)
MRS. BERTIE CRANDALL, R.T.
Halifax Infirmary, Halifax

Nova Scotia (Cape Breton)
SISTER M. ROBERTA, R.T.
St. Joseph's Hospital, Glace Bay

Ontario (Central)
MISS JOAN DUNCAN, R.T.
Kitchener-Waterloo Hspital,
Kitchener

Ontario (Western)
TOM PATRY, R.T.
508 Waterloo St., London
Ontario (Sarnia Section)
MISS RUTH THORNER, R.T.
General Hospital, Sarnia

Ontario (Northern Section)
MISS JANET PUNCH
General Hospital, Sudbury

Ontario (Eastern Section)
MRS. BLANCHE KENNEDY,
R.N., R.T.
Hotel Dieu, Kingston

Ontario (Lakehead Section)
R. E. GORE, R.T.
St. Joseph's General Hospiaal,
Port Arthur

Province of Quebec (English)
MISS EDWINA BOA, R.T.
3405 Vendome Ave., Apt. 6,
Montreal

Province of Quebec (French)
SISTER MARIE DE LA STE.
FAMILLE, R.T.
Hopital St. Joseph, 16th Ave.,
Lachine

Saskatchewan
W. M. ATTRIDGE, R.T.
City Hospital, Saskatoon

The Focal Spot is owned by the Canadian Society of Radiological Technicians and published five times yearly in Toronto, Ont. All possible care is taken to publish only acceptable and accurate information, but no responsibility is accepted for the views or statements in published communications.

Material for publication may be sent direct to the Editor or submitted through the Provincial Sub-Editors. Reprints furnished at cost but must be requested when submitting material. Manuscript should be typewritten, double-spaced with wide margins and it is strongly recommended that a carbon copy be retained by the author. The author's name and address should appear on the manuscript. Manuscript will not be returned unless requested.

Radiographs and photographs should be submitted in the form of prints, not negatives.

All correspondence regarding individual subscriptions, change of address or non-receipt of the Journal should be addressed to Hugh J. Menagh, 555 University Avenue, Toronto, Ont.

ADVERTISEMENTS—Cuts, Layouts and Advertising Copy should be sent to Seagers Press, 25 Vine St., Hamilton, Ont. Advertising rates on request to L. A. Staniszewski, Sunnybrook Hospital, Toronto, Ont. "Technicians Wanted" Ads., $2.50, 50 words.

"Technicians Available" Ads., free to C.S.R.T. members; $2.50 to others.

Contents may be reproduced only when credited to The Focal Spot and author.

Annual Subscription, C.S.R.T. Members, $2.00; Non-members, $2.50. Please add 15c to cheques for bank charges. Published five times a year.

Authorized as Second Class Mail, Post Office Department, Ottawa.

X-RAY

MICROFILMING

WE INVITE YOUR INQUIRIES
REGARDING MICROFILMING OF
X-RAY FILMS, X-RAY REPORTS
AND CASE HISTORY REPORTS

- *Experienced Operators*
- *All work guaranteed*
- *Free Demonstration*

STANDARD MICROFILMING COMPANY

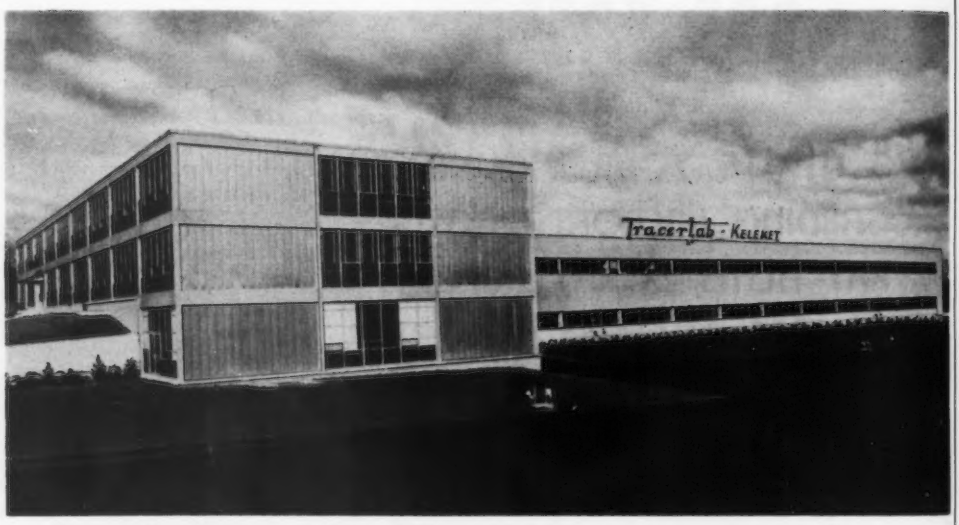
605 Oakwood Ave. - Toronto

Telephone: REdfern 8720

J. B. PRITCHARD

&

Pritchard Electronic Labs



Keleket X-Ray Corporation

Sales Service Accessories

Write or phone:

35 Irvington Crescent, Willowdale, Ontario

Toronto: BA 1-4774

The Focal Spot

Journal of the Canadian Society of Radiological Technicians

"All our ambitions should be devoted to a faithful fulfilment of duties towards others as well as to ourselves."—Roentgen.

LESLIE J. CARTWRIGHT, R.T.
EDITOR

Volume 14 TORONTO 1957 NO. 2 *Issue No. 55*

SOME SUGGESTIONS FOR RADIOGRAPHY OF THE MANDIBLE

By FLORENCE WALTHER, R.T.
St. Joseph's Hospital, Victoria, B.C.

"TWO views at right angles to each other," is without a doubt the keynote of radiography. Universal acceptance has proven that his approach is eminently successful for demonstrating most pars of the human skeleton, but experience has shown that there are regions where rigid adherence to this fundamental principle will only lead to disappointing results. Recourse in such situations to less simple alternatives as gadgetery, angulation, stereoscopy, etc., becomes mandatory. In other words empiricism must make way for a reasoned line of action.

The mandible is one of these troublesome parts. Even modified application of the basic axion of radiography leaves much to be desired. The routine practice prevailing almost everywhere is to make P.A. and angled lateral views of the body and ramus of one or both sides. It is common knowledge however that these views do not depict all the anatomical features of the mandible.

Anatomically, the mandible is a complex of angles, arches and processes moulded into symmetrical halves. Its surfaces occupy a variety of horizontal, vertical and oblique planes. The heads, necks, coronoid processes, rami and bodies of one side are superimposed upon their opposites of the other side in a true lateral x-ray projection. This inherent disadvantage is further compounded because of masking of the mandible by superimposed shadows when the structures in proximity to it are taken into consideration. Portions of the cervical spine, base of the skull and maxillae are incriminated in this respect.

It becomes perfectly obvious therefore that the routine views in popular use are simply not adequate to provide a comprehensive examination of the mandible. Logically, the solution for this deficiency might seem to be the making of numerous views from every conceivable angle. This of course brings up the question of practical considerations. Does the yield of information obtained justify routinely grinding out a thick pile of films for each and every examination of the mandible? Applying the simple common sense to the problem the answer should be found in a compromise.

For routine practice the standard P.A. and angled lateral views of the body and ramus remain worthy of recommendation. They are excellent as far as they go. But

Presented at 14th Annual C.S.R.T. Convention, Victoria, B.C., September, 1956.

for the clarification of any doubts or suspicions from these projections, supplementary views of the mandible are indicated usually upon the initiative of the radiologist in the light of the individual problem posed by the case at hand. In this day of high overhead expenses and radiation consciousness, there is a strong tendency to prune away anything that might possibly be reundant. Supplementary x-ray views of any part of the body are therefore not always made routinely. Unfortunately because of this tendency, the appropriate technics are often forgotten and as a consequence, their value is neglected. It is one of the purposes of this paper to re-emphasize the importance of such views of the mandible and to illustrate how easily they may be obtained on an almost empirical basis. No new views need be invented because all the extra information desired may be found on various projections of the skull which are ordinarily made to show parts other than the lower jaw. In addition some new and slightly unorthodox concepts pertaining to lateral views of the mandible will be introduced.

The need for a revision of the technic for lateral radiography and the range of usefulness for supplementary views of the mandible will perhaps be best defined by listing a classification of the problems that are encountered in positioning the patient and demonstrating its various parts.

1. Problems in positioning the patient for the lateral view.
   - (a) Difficulty with patients having short thick necks, including infants.
   - (b) Difficulty with patients having a kyphotic dorsal spine or very heavy shoulders.
   - (c) Difficulty with patients on whom external Roger Anderson splints have been applied.
   - (d) Difficulty experienced by students in accurately lining up the tube, mandible and cassette.

2. Problems in demonstrating parts of the mandible not usually well shown on the routine views.
   - (a) Demonstration of the coronoid processes.
   - (b) Demonstration of the symphysis menti and arch of the mandible.
   - (c) Demonstration of the condylar processes (heads) especially following fracture through the neck of the mandible.
   - (d) Demonstration of pathology of the alveolar process.

Part I. Some new concepts for lateral radiography of the mandible

The problems concerned with obtaining lateral views of the mandible will be considered first. Please take warning that some slightly unorthodox, but nonetheless effective ideas will be introduced with a view to encouraging simplicity yet not at the sacrifice of quality.

Because the mandible is such an odd shaped structure, careful thought should be given to the selection of an easily recognizable landmark to adopt as a starting point from which to begin the positioning of the patient. The tip of the chin merits careful consideration in this respect, chiefly because anyone, even without a knowledge of anatomy, can identify it. Next, and again in the interest of simplicity, it is recommended that the patient be placed prone upon a horizontal table with the sagittal plane of the head parallel to the table top. If necessary a thin pad under the head may be used to achieve this position. Then to separate the mandible as much as possible from the cervical spine the patient should extend or "jut" his chin forward. Finally, to complete the preparations, the patient is so placed that the tip of the chin is just at the mid line of the table. This positioning of the patient might perhaps seem somewhat unorthodox, but it must be admitted that it has the advantage of guaranteeing correct placement of the man-

dible every time. If necessary, the head may be immobilized by sand bags or a compression band. With the patient so positioned a vertical x-ray beam is automatically ruled out because it would project the two sides of the mandible upon one another. Obviously, the beam must be directed at an angle to the patient. Because it is desirable that the bucky grid be used, the only alternatives to choose from are cephalad or caudad directions. Cephalad angulation with the beam directed to the tip of the chin is suggested to start with. The amount of angle will be determined by the height of the shoulder. If this does not force one to use too vertical an inclination a satisfactory projection will be obtained. This is done for both sides of the mandible using a 10" x 12" film, half of which is masked off when the exposure is being made on the opposite half. The paired "mirror image" ararngement of the two halves of the mandible on a single film is very convenient for viewing.

As a refinement of this general view just described, one can show the ramus extremely well if the chin is raised slightly away from the table. Conversely the body will be displayed to good advantage if the chin is depressed a bit towards the table top.

If the procedure so far described does not result in good separation of the components of the two sides of the mandible it is usually because the patient's shoulder was so high or neck so short that the x-ray beam was almost vertical. In such instances by further recourse to imaginative and unorthodox thinking a satisfactory solution will be found. This demands directing the x-ray beam in a caudad direction at about 25° through the point of the chin. It must be realized that this modification is effective because it is the side of the mandible away from the table top which is projected in the clear and not the side nearest the table. If a target-film distance of at least 40" is used magnification distortion will be negligible. This technical variation is particularly effective when the presence of external metal splint bars makes it impossible to place the fractured side of the mandible close to the film. When using the caudad angle, care must be exercised to be sure that the left marker is placed on the film when the right side is next to the table and vice versa.

Part II. Supplementary views for the mandible

The problems concerned with the demonstration of the coronoid processes, condylar process, symphysis menti and the alveolar process can be very conveniently resolved by using certain views which are ordinarily routinely made for other parts of the skull. By fortunate coincidence they display the required parts of the mandible to very good advantage.

The coronoid process is usually visible on the angled lateral view of the ramus, but is obscured on the routine P.A. view. An excellent P.A. projection of this part is to be found on the P.A. film usually used for the maxillae or facial bones. This is the so-called nose-chin position where the orbito-meatal line is set at 45° to the table top and a vertical x-ray beam passes through the maxillae.

The symphysis menti is noted for being obscured on both P.A. and lateral films of the mandible. Most textbooks suggest using an occlusal film in the mouth with the x-ray beam directed upwards from below the extended chin. It may however also be shown very well along with the whole arch of the mandible on the vertico-submental view which is so popular for the demonstration of the sphenoidal sinuses. The patient is positioned in the prone position with the chin thrust forward and the x-ray beam directed at 90° to the centre of the orbiomeatal line.

The condylar processes or heads of the mandible are set into the articular fossae of the tempero-mandibular joints in front of the mastoid processes and consequently are hidden in the routine P.A. view of the mandible. It is useful to be able to demonstrate the degree of displacement of these parts when fractures occur through the neck of the mandible. This may be achieved by using the occipital or Townes view of the skull (Fig. 5). The patient is placed in the supine position with the chin depressed on the chest. The x-ray beam is ankled 350°-40° caudad and centred to the upper edge of the forehead.

Not infrequently patients are referred for x-ray examination of the "jaw" because of the presence of submandibular soft tissues swelling. In many instances, the responsible pathology may be located in the alveolar process which supports the teeth. It is suggested that where any suspicion of this exists, that the examination be supplemented with intra oral dental films because root abscesses are much better demonstrated by the latter technic.

Conclusion

1. The concept of using the point of the chin as the primary positioning landmark and a caudad inclination of the x-ray beam for elimination of some of the difficulties of lateral radiography of the mandible has been introduced.

2. Supplementary views have an important place in radiography of the mandible as the solution for sundry diagnostic problems which arise from time to time. A realization that the desired information may be obtained from other common skull projections makes it unnecessary to burden the memory with a variety of extra technics.

Finally, in closing, I wish to acknowledge the encouragement and generous help of Dr. F. G. Stuart, Director of the Department of Radiology, St. Joseph's Hospital, in carrying out this investigation and preparing this report. I also wish to express my thanks to Mr. Leslie Spencer, Clinical Photographer, St. Joseph's Hospital, for the photography and preparation of the slides.

REFRESHER COURSE LECTURERS

A. W. FUCHS, A.S.X.T. (Hon.)

SISTER M. de LELLIS, R.N., R.T., B.Sc.

S. A. MORTON, M.D.

See Programme on Page 85 for Subjects

ORIENTATION LABELS FOR RADIOGRAPHS

By ANNA C. MOTTRAM, R.T.
St. Joseph's Hospital, Victoria, B.C.

A RADIOGRAPH is recognized as being a unique facsimile of some definite part of the anatomical structure of a given individual at a particular isolated point in time. In other words it is a static representation of but one instant in the dynamic flow of life. Unlike the living organism represented it has neither a past nor a future.

Now we give very serious and close attention to the matter of correct identification of this radiograph with the patient examined and quite rightly so. But time-wise we are accustomed to orientate our radiographs rather grossly, as a rule showing the date, month and year only. To those who take pride in punctuality and precision, it is perhaps a little disturbing to realize that, chronologically speaking, the accuracy of our labels on radiographs is correct to within only twenty-four hours. This is a rather liberal tolerance in contrast to the allowances permitted in physical science generally, but radiography as a whole is not really an exact science and so for practical purposes such a wide latitude is accepted as not unreasonable. However, practical considerations notwithstandng, we remember that there do exist situations in radiography when the time dimension merits our close attention. These are the examinations where the sequence of, or the interval between, exposures must be recorded on the film for chronolopical orientation as a prelude to interpretation.

But not only is the time element to be considered in the labelling of some radiographs. There are other occasions when due recognition must be given to the matter of spatial orientation. This is to a certain extent, the consequence of improvements in x-ray equipment and innovations in technique which have appeared within recent years. These influences have encouraged a swing away from the recumbent position for the patient undergoing radiography.

Now a substantial proportion of work is done with the patient in the erect position, not to mention other spatial arrangements such as the lateral decubitus and semi-erect positions, etc. No longer may one piew a radiograph and assume without questioning that it was made with the patient recumbent. Among physicians and surgeons there has been a growing realization of the value and necessity for various erect and other special positions. Spatial orientation labelling of films has therefore become a necessity in many radiographic examinations.

Adequate orientation labelling both chronological and spatial has a twofold benefit. First, it indicates clearly what was done and conversely this teaches doctors what to ask for, thereby facilitating the handling of patients in the x-ray department. If I may digress for a moment, I might suggest that if every chest film were to be labelled PA, the request for "AP" chest films would noticeably decline and thus bring to an end a long-standing hypocrisy which exists in practically all x-ray departments throughout the country.

Chronological and spatial orientation of radiographs is not new. In one way or another most x-ray departments find its use necessary to some extent at least. For instance, marking radiographs to indicate their sequence and interval is almost universal in intravenous urog-

Presented at 14th Annual C.S.R.T. Convention, Victoria, B.C., September, 1956.

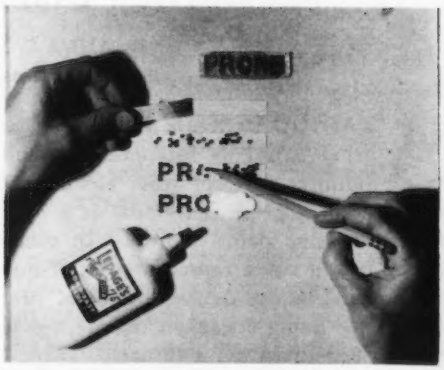
raphy. The use of opaque rotating register devices, lead numerals or handwriting are some of the methods of labelling encountered from institution to another. All are simply a means to the same end. In the critical analysis of any procedure one is entitled to ask, among other things; is it neat and efficient? Lead numerals are neat but have a tendency to become lost. Make shift replacements then appear, the worst of which are, without a doubt, "scratch mark" figures. There is probably nothing that detracts so much from the appearance of otherwise excellent films than untidy orientation and identification markers. One has only to recall how such defects stand out on films sent in from elsewhere to blush at the thought of how one's own films might look to others when loaned out. It is uggested that good discipline in any x-ray department might begin with insistence on neat labelling because it would be set upon the firm foundation of an appeal to the radiographer's aesthetic sense and pride of workmanship. This thought is to be especially recommended wherever students are in training.

It is the purpose of this paper to describe a method of orientation labelling which has been found useful. It is realized that there are other approaches equally satisfactory and perhaps even better. The system described is neat, flexible, informative and available to anyone on an inexpensive do-it-yourself basis.

The materials required are:

1. B.B. shot—size No. 6 (costs about 60 cents per lb.).
2. Le Page's Bond-Fast plastic glue.
3. Scotch tape or double faced paper adhesive glue.

Any desired label is very simply prepared (Fig. 1) by sprinkling shot at random on the sticky tape and rolling it into the form of letters or figures with the tip of a pencil. The liquid plastic is then poured over it and allowed to set for three



to four days. If a special label is required for immediate use the laid out shot may be covered with a second layer of tape. This will of course lack durability and is to be considered a temporary expedient only.

What is the purpose and scope of orientation labelling? First and foremost, remember that it is to provide information regarding chronological and spatial factors in the radiographic technique which will influence possibly the radiological interpretation.

In bedside and operating room radiography, many unpredictable situations are encountered. Here then is a field where orientation labelling will be useful. To begin with, all such films should be labelled "PORTABLE," to remind the physician viewing it that he must make allowances for certain inherent and unavoidable technical shortcomings such as the use of a short target-film distance instead of 72" for a chest, respiratory movement in a very rapidly breathing or unconscious patient or the presence of stationary grid lines on an abdomen or skull film.

It is of some importance for the physician to know if a portable chest film was made in the supine, semi-erect or erect positions because pleural effusions and the heart may present a different appearance on each. Accordingly supine, semi-erect or erect and AP or PA labels are

used. (Fig. 2*.)

In the operating room, radiography is frequently utilized to check on the effect of manipulation in the reduction of fractures and dislocations. The first film made should bear the portable label so that the radiologist who later interprets them will know where the radiography was done. Each set of subsequent films made during the operation should be marked 2, 3, 4,—etc., even if only by a notation in pencil on the dry film before it is developed. If this practice is followed there can be no argument about which films represent the final result achieved by the surgeon.

Radiography of the so-called "acute abdomen" has in recent years been influenced by a wider knowledge and appreciation of intra-abdominal hydro-statics in relation to gas in the intestines or free in the peritoneal cavity. Depending on the condition suspected, a variety of films may be called for including in some cases AP views with the patient in the supine, erect or left lateral decubitis positions. Because such examinations are frequently required as emergencies during the night or over the week-end, the films are not always seen initially by the radiologist. It is therefore important for the benefit of internes or physicians who don't frequently see such films that they be adequately labelled. Thus the viewer will be reminded of the spatial relationship between patient and x-ray beam and will know where to look for evidence of pneumoperitioneum or intestinal air-fluid interfaces or fluid levels as they are more commonly called. Although not required as frequently as spatial orientation, exact chronological data becomes important on films of the abdomen in certain circumstances. These include new born infants and any patients on whom a series of comparative films are made within a twenty-four hour period. This can be done by a lead numeral and an AM or PM label, or simply by jotting down the time on one corner of the film identification stencil, writing with a pencil on the dry film before developing it or making a notation on the requisition.

Conventionally, the chest is radiographed in the PA erect position. Any departure from this routine should be indicated because it may influence the interpretation of the film. Such occasions are when patients brought to the x-ray department on a stretcher are found to be too weak or unable to stand erect and an AP supine view is made or when a PA film is made in the lateral decubitis position to demonstrate shifting of pleural fluid. Having a lordotic film of the chest appropriately labelled will often save time explaining what it is to someone not too familiar with the view.

In most hospitals, the times at which films are made during intravenous urography follow a fixed routine pattern in nearly all cases. The appearance of these

* Further slides exhibited by the author showed markers for: 1 hour, 2, 3, 4, 5 or 24 hours. Post-evac. Snow 40" T.F.D. Thom's. Stereo (with arrows). O.D. O.S. P.M. A.M. R. L. Rt. Ant. Oblique; Lt. ditto; Rt. Post. Oblique, and Lt. ditto.

films is enhanced by neat informative labelling indicating, in addition to the timing, whether the patient is in the Trendelenberg, supine or erect positions and if compression has been applied to the ureters. If extra delayed films are made, they should be marked to show the length of the time interval between them. In retrograde urography emphasis is more on the sequence in which films are made rather than the interval between them. However, if a delayed film is made it should be labelled to show the duration of delay.

Cholecystography has undergone much change in the past few years. It is now fairly common practice to make at least one film in the erect or lateral decubitis position in order to demonstrate coalescence or stratification of small calculi or the absence of shifting that is characteristic of polypi. For proper orientation of the viewer such films should be labelled. So also should the film made after a fatty stimulus. In intravenous cholecystoangiography time markers are essential to indicate the sequence and interval between the several films made.

It has been suggested that at least one film in an examination of the sinuses be made in the erect position in order to differentiate fluid or pus from other conditions.

Chronological labelling of gastro-intestinal tract films is required whenever serial radiographs are made to observe the passage of a barium meal through the intestines. Films at hourly intervals as long as required by the radiologist is the usual practice.

In examination of the colon labelling of the post evacuation film has been suggested but does seem a little superfluous. The AP and PA stereo pairs of a double-contrast enema examination should be labelled supine and prone respectively or simply AP and PA.

The different problems for which obstetrical radiography is required each demands special spatial arrangements of the patient, x-ray beam and film. The foetus is usually radiographed with the mother in the recumbent lateral and either recumbent prone or supine position, depending on the stage of pregnancy. For pelvimetry a true lateral view is most readily obtained with the patient in the erect position. If the Snow method of pelvimetry is used it is important to know the target-film distance before calculations can be made from the special slide rule.

In placentography where Whitehead's soft tissue technique is supplemented by Reid's gravitational technique, AP and lateral views of the lower abdomen are required with the patient semi-erect at an angle of 45°. For the Thom's view of the pelvic inlet the patient is in the sitting position. In order to orientate the viewer so that he may take into consideration the patient's position in his interpretation, labelling of the film is necessary.

To those having equipment for angiography, the importance of marking the sequence of films is fully appreciated. In tomography, labelling of the tissue planes cut through is necessary for interpretation and localization of pathology.

In addition to chronological and spatial orientation, one might wish to record technical data on the film. Arrows to indicate to direction of stereo shift are useful. The suggestion has been made that the films of a stereo pair to be viewed by the left and right eye might be labelled OS and OD following the terminology of the opthalmologist.

Orientation labelling might be said to have begun with the use of left and right markers. The suggestions described above are then really just extensions of a fundamental principle. Right and left markers are so taken for granted that we

1957

REGISTRY

OF THE

Canadian Society

of

Radiological Technicians

OFFICERS

Canadian Society of Radiological Technicians

1956 - 1957

Board of Directors

HON. PRESIDENT
DR. J. R. LEMIEUX
Quebec City, P.Q.

PRESIDENT
*MR. DAVID C. SAGE, R.T.
1518 Hillsdale Avenue, Niagara Falls, Ont.

VICE-PRESIDENT
*MR. WM. DOERN, R.T.
General Hospital, Winnipeg, Man.

Appointed by the Canadian Medical Association
DR. E. A. PETRIE
St. Joseph's Hospital, Saint John, N.B.

Appointed by the Canadian Association of Radiologists
DR. J. G. STAPLETON
250 Main Street East, Hamilton, Ont.

SECRETARY-TREASURER
*MRS. E. I. HOOD, R.N., R.T.
2175 West 16th Ave., Vancouver 9, B.C.

Directors Elected by the Provinces
*MR. FRANK CALLAWAY, R.T.
Royal Alexandra Hospital, Edmonton, Alta.

*MISS MARY A. McMILLAN, R.N., R.T.
657 West 37th Ave., Vancouver, B.C.

MR. HUGH GIBSON, R.T.
Brandon Sanatorium, Brandon, Man.

MISS T. AMOS, R.T.
St. Joseph's Hospital, Saint John, N.B.

MR. E. CALVER, R.T.
General Hospital, St. John's, Newfoundland

SISTER EDMUND CAMPION, R.N., R.T.
Halifax Infirmary, Halifax, N.S.

MR. W. BURNS, R.T.
Medical Arts Bldg., Toronto, Ont.

MR. W. HENRY MEADUS, R.T.
Box 447, Ste. Agathe des Monts, P.Q.

MR. HENRY E. HEATON, R.T.
Box 862, Shaunavon, Sask.

REGISTRAR
*MISS M. A. McMILLAN, R.N., R.T.
X-Ray Dept., W.C.B., 657 West 37th Avenue, Vancouver 13, B.C.

HISTORIAN
MISS T. AMOS, R.T.
St. Joseph's Hospital, Saint John, N.B.

* Executive Officers.

Committee on Public Relations

MISS JOAN GOODALL, R.N., R.T., B.C.C.I.
2656 Heather St., Vancouver, B.C.

MISS EILEEN SHORTT, R.T.
Col. Belcher Hospital, Calgary, Alta.

Committee on Teachers' Training Course

MR. IRWIN FISHER, R.T.
471 Cranbrooke Ave., Toronto, Ont.

Co-Chairman of 2nd International Convention to be held in Washington, D.C., is
MR. G. A. WILKINSON, R.T.
Royal Victoria Hospital, Montreal, Quebec.

Committee on Publications

EDITOR
LESLIE J. CARTWRIGHT, R.T.
Hospital for Sick Children, Toronto

ASSISTANT EDITOR
ETHEL M. CAVE, R.T.
St. Michael's Hospital, Toronto, Ont.

BUSINESS MANAGER
LOUIS A. STANISZEWSKI, R.T.
195 Quebec Ave., Toronto, Ont.

CIRCULATION MANAGER
HUGH J. MENAGH, R.T., 555 University Ave., Toronto

STANDING COMMITTEES

Committee on Qualifications

CHAIRMAN
DR. J. G. STAPLETON
McGregor Clinic, 250 Main St. E., Hamilton, Ont.

BI-LINGUAL MEMBER
DR. J. P. JEAN
Ste. 14, 5757 Decelles Avenue, Montreal, P.Q.

TECHNICIAN MEMBER
MR. CHAS. ROBB, R.T.
Toronto General Hospital, Toronto, Ont.

All correspondence for Committee on Qualifications to be addressed to
MISS JANE MARTIN, R.T.
250 Main St. E., Hamilton, Ont.

Committee on Technical Training

For C.A.R.: DR. E. A. PETRIE (Chairman)
St. Joseph's Hospital, Saint John, N.B.

For C.S.R.T.:
MR. WM. Q. STIRLING, R.T.
297 West 46th Ave., Vancouver, B.C.

MISS M. MacBEAN, R.N., R.T.
2370 Palmerston Ave., West Vancouver

MISS A. N. PLOWMAN, R.N., R.T.
Dept. of Radiotherapy, Toronto General Hospital, Ont.

Committee on Law

CHAIRMAN
MRS. MARY F. CAMERON, R.T.
250 Main St. East, Hamilton, Ont.

MISS M. STESKI, R.T.
Winnipeg Clinic, Winnipeg, Man.

MR. A. R. CHEFFINS, R.T.
Box 15, Ste. Anne de Bellevue, P.Q.

Resolutions Committee

MR. J. C. SAUNDERS, R.T. (Chairman)
2580 Empress Ave., South Burnaby, B.C.

MR. G. BURTON McBRIDE, R.T.
Medical Arts Building, Hamilton, Ont.

MR. H. GIBSON, R.T.
Brandon Sanatorium, Brandon, Man.

Committee on Awards

CHAIRMAN
DR. WM. R. LACROIX
241 St. Clair Ave. W., Toronto, Ont.

MR. C. J. BODLE, R.T.
101 Medical Arts Bldg., Winnipeg, Man.

MR. P. E. HUNT, R.T.
2058 Matarish St., Regina, Sask.

Special Committees:

Committee on Commissions for Armed Services Personnel

CHAIRMAN
MR. FRANK WEALE, R.T.
127 Fairholt Rd. S., Hamilton, Ont.

MR. KEN E. HALL, R.T.
Ottawa Civic Hospital, Ottawa, Ontario

MISS ETHEL G. SEAMAN, R.T.
Shaughnessy Hospital, Vancouver, B.C.

C.S.R.T. Representative on C.A.R. Committee on Atomic Defence

MR. KEN E. HALL, R.T.
Ottawa Civic Hospital

OFFICERS OF THE PROVINCIAL SOCIETIES

ALBERTA DIVISION, C.S.R.T.:

President: Mr. Geo. C. Hall, R.T.,
12,119 - 79th St., Edmonton, Alta.

Vice-President: Miss E. Shortt, R.T.,
Col. Belcher Hospital, Calgary, Alta.

Secretary-Treasurer: Miss S. Kroetsch, R.T.,
540 Tegler Bldg., Edmonton, Alta.

Registrar: Mr. Harvey Bechthold, R.T.,
Col. Belcher Hospital, Calgary, Alta.

BRITISH COLUMBIA DIVISION, C.S.R.T

President: Miss Marjorie E. Macbean, R.N., R.T.,
B.C. Cancer Institute, 2656 Heather St., Vancouver, B.C.

First Vice-President: Mrs. Marjorie B. Gunn, R.T.,
Royal Jubilee Hospital, Victoria, B.C.

Second Vice-President: Miss Florence A. McDonald, R.N., R.T.,
B.C. Cancer Institute, 2656 Heather St., Vancouver, B.C.

Secretary: Miss Ethel G. Seaman, R.T.,
2554 Cornwall St., Vancouver, B.C.

Treasurer: Miss Anna C. Mottram, R.T.,
St. Joseph's Hospital, Victoria, B.C.

MANITOBA DIVISION, C.S.R.T.

President: Mr. Hugh Gibson, R.T.,
Brandon Sanatorium, Brandon, Man.

First Vice-President: Mr. Jake Enns, R.T.,
St. Boniface Hospital.

Second Vice-President: Mr. Al. Kozak, R.T.,
Winnipeg General Hospital, Winnipeg.

Secretary: Miss Emma Gendre, R.T.,
Misercordia Hospital.

Recording Secretary: Miss Sandra Summerell, R.T.,
Municipal Hospital, Winnipeg, Man.

Treasurer: Miss Henriette Toupin, R.T.,
St. Boniface Hospital.

NEW BRUNSWICK SOCIETY OF X-RAY TECHNICIANS:

President: Miss Katherine Creelman, R.T.,
City Hospital, Moncton, N.B.

Vice-President: Mrs. Jean Grass, R.T.,
General Hospital, Saint John, N.B.

Treasurer: Sister deLellis, R.N., R.T., B.Sc.,
St. Joseph's Hospital, Saint John, N.B.

Secretary: Miss Marion Smith, R.T.,
T.B. Hospital, Moncton, N.B.

Additional Member to the Executive: Joan Ronald,
Saint John General Hospital, Saint John, N.B.

Radiologist Member (Appointed by the N.B. Division of the C.A.R.): Dr. E. A. Petrie,
Saint Joseph's Hospital, Saint John, N.B.

NOVA SCOTIA DIVISION, C.S.R.T.:

President: Keith Benjamin, R.T.,
Camp Hill Hospital, Halifax, N.S. (re elected).

Vice-President: CP/O Austin Singer, R.T.,
15 Boland Road, Dartmouth, N.S.

Secretary-Treasurer: Sister Edmund Campion, R.T.,
Halifax Infirmary, Halifax, N.S. (re-elected).

Registrar: Miss Sheila Kiley, R.T.,
4 Avenue B, Imperoyal.

Additional Executive Members:
Sister John of the Cross, R.T.,
St. Rita Hospital, Sydney, Cape Breton.
Gilbert G. Harris, R.T.,
N.S. Sanatorium, Kentville, N.S.

NEWFOUNDLAND DIVISION, C.S.R.T.:

President: John Hearn, R.T.,
St. John's General Hospital, St. John's, Nfd.

Vice-President: Mr. Robert Belbin, R.T.,
St. John's General Hospital, St. John's, Nfd.

Secretary: Miss Marcella Curtis, R.T.,
St. John's General Hospital, St. John's, Nfd.

Asst. Secretary: Miss Elizabeth Baker, R.N., R.T.,
St. Clare's Mercy Hospital, St. John's, Nfd.

Treasurer: Sister Magdalene, R.N., R.T.,
St. Clare's Mercy Hospital, St. John's, Nfd.

ONTARIO SOCIETY OF RADIOGRAPHERS:

President: Mr. I. Fisher, R.T.,
Mt. Sinai Hospital, Toronto, Ont.

President-elect: Mr. Anthony Stechyshyn, R.T.,
St. Catharines General Hospital, St. Catharines, Ont.

Vice-President and Student Secretary: Mr. Ken Hall, R.T.
Ottawa Civic Hospital, Ottawa, Ont.

Secretary-Treasurer: Miss B. D. Bolton, R.T.,
357 Simcoe St., London, Ont.

PROVINCE OF QUEBEC SOCIETY OF X-RAY TECHNICIANS:

President: Mr. Donald Fisk, R.T.,
Queen Mary Veterans' Hospital, Montreal.

Vice-President: Sister Ste. Berenice, R.T.,
Hopital de la Misericordie, 890 Dorchester E., Montreal.

Secretary: Miss L. Freeman, R.T.,
Mary Veterans' Hospital, Montreal.

Treasurer: Mr. John Brewer, R.T.,

Registrar: Miss Madelein Magnan,
Hopital Sacré-Coeur, Cartierville, Montreal.

SASKATCHEWAN DIVISION, C.S.R.T.

President: Miss M. Purdy, R.T.,
317 Birks Bldg., Saskatoon, Sask.

Vice-President: Mr. J. Leatherdale, R.T.,
The Sanatorium, Saskatoon, Sask.

Secretary: Miss C. George, R.T.,
Cancer Clinic, University Hospital, Saskatoon, Sask.

Treasurer: Miss M. Peron, R.T.,
421 21st St. E., Saskatoon, Sask.

1957 REGISTRY

Canadian Society of Radiological Technicians

HONORARY LIFE MEMBERS

DR. E. A. PETRIE
St. Joseph's Hospital, St. John, N.B.

DR. A. C. SINGLETON
Toronto General Hospital, Toronto, Ont.

MR. ALFRED B. GREENE, B.Sc., R.T.
2900 E. Minnehaha Pkwy., Minneapolis 6, Minnesota, U.S.A.

RADIOLOGIST MEMBER

GILL, DR. G.
Institu du Radium, 4120 Ontario St. E., Montreal, P.Q.

LIFE MEMBERS

MR. C. J. BODLE
101 Medical Arts Bldg., Winnipeg, Man.

MRS. MARY CAMERON
250 Main Street E., Hamilton, Ont.

MR. P. E. HUNT
2058 McTavish Street, Regina, Sask.

MR. HENRY SIMKINS
8360 Champagneur St., Montreal, P.Q.

NON-PROVINCIAL MEMBERS

ACTIVE MEMBERS

BURNETT, MAUREEN
2202 California St., Apt. 14, San Francisco 15, California, U.S.A.

CHENEY, MRS. BARBARA
470A - 5th Ave., Pittsburgh 13, Pa., U.S.A.

CLARKE, AUDREY
Hertford County Hospital, Hertford, Hertfordshire, Eng.

DUXBURY, WILBUR L.
300 Reservoir Rd., Beckley, West Virginia, U.S.A.

LOVE, MARY
c/o Dr. R. G. Freeman, 127 N. Madison Ave., Pasedena, California, U.S.A.

MARSH, ELEANOR
Ste. No. 10, 638 Duart Road, Arcadia, California, U.S.A.

O'SULLIVAN, GERTRUDE
Apt. No. 2, 40 Busnell St., Boston, Mass., U.S.A.

RODERICK, JOSEPH
E. I. DuPont de Nemours & Co., Photo Products Dept., Research Division, Parlin, New Jersey, U.S.A.

SHANNON, CHARLES H.
Route 4, Box 301, Austin, Texas, U.S.A.

SHANTZ, MRS. BETTY A.
785 Brighton Ave., El Centro, California, U.S.A.

STEVENS, VERONICA
53 Abingdon Villas, Kensington, London W. 8, England.

WHITE, EDWARD W.
Albany Hospital, Albany, N.Y., U.S.A.

SISTER CHRISTINA SPIRKO
Saint Mary's Hospital, Amsterdam, New York, U.S.A.

NON-ACTIVE MEMBERS

FOSTER, GERALDINE
University of Southern California, 3518 University Ave., Los Angeles 7, California, U.S.A.

GEM, MRS. DOROTHEA
c/o Mrs. A. R. Mackensie, 1059 Esquimalt Ave., West Vancouver, B.C.

NOLL, AP-2 JOHN, RA 3531976
130th Station Hosp., Det Ameds., APO 403, New York, N.Y., U.S.A.

ROBINSON, MRS. JOYCE G.
Apt. 4, 44 E. 40th Ave., San Mateo, California, U.S.A.

TRUDEAU, MRS. ROBERT
c/o SA 37346 Pte. Trudeau, R.E. No. 1 Air Div. P.U.C.A.P.O. 5052, c/o Postmaster, Montreal, P.Q.

TUCKER, STELLA
2 Urpeth Hilltop, Beamish, Stanley, Co. Durham, England.

WYATT, MRS. BETTY-MAE
1201 - 6th Ave. South, Apt. No. 16, Great Falls, Montana, U.S.A.

ALBERTA DIVISION

RADIOLOGIST MEMBER

DR. M. MALLETT
540 Tegler Bldg., Edmonton.

REGISTERED MEMBERS

ADAIR, MARJORIE
12138 - 88 St., Edmonton.
ALEXANDER, MRS. MARGARET
Baker Memorial Sanitorium, Calgary.
ANDRAIS, WILLIAM
540 Tegler Building, Edmonton.
ARCHER, JOYCE
Municipal Hospital, Brooks.
ARMSTRONG, NANCY
304 McLeod Building, Edmonton.
BECHCTHOLD, HARVEY
Colonel Belcher Hosp., Calgary.
BOLTE, HELEN
Misericordia Hospital, Edmonton.
BOWEN, MRS. PHYLLIS
Cancer Clinic, Edmonton.
BRADSHAW, MRS. MAXINE
Misericordia Hospital, Edmonton.
BROWN, MARGARET
Municipal Hospital, Lethbridge.
BROWN, ALISTAIR
Muncipal Hospital, Drumheller.
BULMAR, JOAN
Medical Arts Clinic, Stettler.
CALLAWAY, FRANK
Royal Alexandra Hospital, Edmonton.
CARN, MRS. BARBARA
Associate Clinic, Calgary.
CATHHCART, DONNA
General Hospital, Calgary.
CREED, ANNE
304 McLeod Building, Edmonton.
ECKHART, DONALD
Holy Cross Hcspital, Calgary.
FIELHABER, SYLVIA
St. Mary's Hospital, Camrose.
FENIAK, FLORENCE
Royal Alexandra Hospital, Edmonton.
FRINDT, DOREEN
Cancer Clinic, Edmonton.
GIER, MRS. MARILYN
Colonel Belcher Hospital, Calgary.
GRAHAM, JOAN
540 Tegler Building, Edmonton.
GRASSICK, MRS. HELEN
General Hospital, Calgary.
GROOM, LUCY
105 Northgate Bldg., Edmonton.
GROOM, MARGUERITE, 111 Medical Arts Bldg., Edmonton.
HALL, GEORGE
12119 - 79 St., Edmonton.
HAYWOOD, MRS. LORRAINE
105 Northgate Bldg., Edmcnton.
HECK, DOROTHY
University Hospital, Edmnoton.
HENRY, MARGERY
University Hospital, Edmonton.
HENDEREK, HENRIETTA
11647 Jasper Ave., Edmonton.
JONES, AUDREY M.
University Hospital, Edmonton.
KATHRENS, STANLEY
General Hospital, Calgary.
KLAUSE, MRS. MARCIA
Box 999, Wetaskiwin.
KROETSCH, COLETTE
111 Medical Arts Bldg., Edmonton.
KROETSCH, SHEILA
540 Tegler Bldg., Edmonton.
LESKIW, MRS. PHYLLIS
4 Le Marchand Apts., Edmonton.
MATHEWS, SIDNEY M. H.
Associate Clinic, Calgary.
MELNYK, ALICE
Royal Alexandra Hospital, Edmonton.
MILLAR, ELIZABETH
Charles Camsell Hospital, Edmonton.
MOCKFORD, NAOMA
Misericordia Hospital, Edmonton.
MacGILLIVRAY, MRS. BARBARA
Box 1444, Cold Lake.
McMILLAN, ROBERT
W.C.B. Rehabilitation Centre, Edmonton.
McMILLAN, GEORGE
University Hospital, Edmonton.
MacQUEEN, RUSSELL
540 Tegler Building, Edmonton.
NASICHUK, MRS. FLORENCE
Symington, Murphy and Dingle, Calgary.
NODEN, KENNETH
University Hospital, Edmonton.
OHNYSTY, JAMES
General Hospital, Edmonton.
PHILLIPS, ADELE
Misericordia Hospital, Edmonton.
POPOWICH, ANDREW
Royal Alexandra Hospital, Edmonton.
RAUCH, JOSEFINE
Municipal Hospital, Grande Prairie.
RIERSON, PATRICIA
Smith Clinic, Camrose.
ROMANIUK, DORIS
Cancer Clinic, Edmonton.
SAMENS, ILGA
General Hospital, Calgary.
SCHLISSER, WILLIAM
214 Project Drive, Medicine Hat.
SHEARER, LORRAINE
Spokane, Washington, U.S.A.
SHORTT, EILEEN
Colonel Belcher Hospital, Calgary.
SLIPCHUK, EVELYN
General Hospital, Edmonton.
STACHOW, LILLIAN
9214 - 95 Ave., Edmonton.
STANWAY, MRS. MABEL
General Hospital, Calgary.
STOLLINGS, MRS. JOAN
Cancer Clinic, Edmonton.
SUGGET, MARGARET
Bentley.
THIELENS, LILLIAN
Municipal Hospital, Red Deer.
THOMAS, MRS. ANNE
Red Cross Crippled Children's Hospital, Calgary.
THOMAS, SHIRLEY
111 Medical Arts Bldg., Edmonton.

ALBERTA continued

TOWART, MRS. EILEEN
Aberhart Memorial San., Edmonton.
WATT, MRS. JOAN
Royal Alexandra Hospital, Edmonton.
WEIGUM, MRS. HELEN
Symington, Murphy & Dingle, Calgary.
WELCH, JOHN
Colonel Belcher Hospital, Calgary.
WILLIAMSON, MRS. JEAN
Symington, Murphy & Dingle, Calgary.
YEREX, MRS. ETHEL
Dr. Townsend, 627 - 8th Ave. W., Calgary.
YULE, LILLIAN
General Hospital, Calgary.

NON-ACTIVE MEMBERS

BROWN, BARBARA
321 - 21 Ave. S.W., Lethbridge.
FALKENBERG, MARGARET
Edmonton.
FRITZ, MRS. SHIRLEY
Box 550, Ft. McLeod.
GAETZ, EVELYN
Nurses' Residence, University Hospital, Edmonton.
HODGSON, MRS. DAWN
5514 - 36 St., Red Deer.
HOLROYD, MRS. JANET
10753 - 86 Avenue, Edmonton.
JACKS,MRS. JEAN
Calgary.
KATO, MRS. GEORGINA
Municipal Hospital, Lethbridge.
KRUHLAK, MRS. PHYLLIS
10443 - 83 St., Edmonton.
MARKO, MRS. PAULINE
Box 55, Beauvallon.
O'DWYER, MRS. DENISE
Edmonton.

REVEREND SISTERS

REV. SISTER VERONIQUE BOUTON
St. Theresa Hospital, St. Paul.
REV. SISTER STELLA DUBE
St. John's Hospital, Edson.
REV. SISTER MARY GERVASE
St. Mary's Hospital, Camrose.
REV. SISTER MARTHA KNETCHEL
Our Lady's Hospital, Vilna.
REV. SISTER BRIGID KNOPIC
St. John's Hospital, Edson.
REV. SISTER FERNANDE MICHAUD
General Hospital, Edmonton.
REV. SISTER MARY ROBERTS
Our Lady's Hospital, Vilna.
REV. SISTER MARY OF THE ROSARY
Sacred Heart Hospital, McLennan.
REV. SISTER SYLVIA
General Hospital, Willingson.

ASSOCIATE MEMBERS

DEBONNAIRE, GEORGE
309 Alberta Jasper Bldg., Edmonton.

BRITISH COLUMBIA DIVISION

REGISTERED MEMBERS

AINSCOUGH, MRS. MARY B.
4600 Bellevue Drive, Vancouver.
ALEXANDER, MRS. CAROLINE M.
619 Monterey Avenue, Victoria.
ARNET, MRS. RUBY E., R.N.
Tofino.
ARMITAGE, JEAN C.
6006 Balsam St., Vancouver.
BABIN, SHIRLEY
X-Ray Dept., 1401 W. Broadway, Vancouver.
BAILEY, RUTH
3225 Portland St., S. Burnaby.
BALLENTINE, HELEN
1576 West 58th Ave., Vancouver.
BANDREVICK, AMY HELEN
Ste 11., 338 Agnes St., New Westminster.
BARKER, FREDERICK C.
1900 Newton St., Victoria.
BARTELUK, PETER C.
709 Cumberland St., New Westminster.
BATES, MRS. KATHLEEN H.
1866 Neil Street, Victoria.
BLACK, MRS. CLARENE E., R.N.
2615 Windsor St., Vancouver.
BARNES, LYLE A.
c/o 649 - 16th Ave., New Westminster.
BOKIS, DAINA
850 Broughton St., Vancouver.
BROMLEY, HAROLD
4533 Bellevue Drive, Vancouver.
BROWN, PHILLIP L.
c/o Drs. Bonnell & Roberts, Victoria.
BRUMPTON, DONNA J.
413 Oak St., New Westminster
BROWN, FLORENCE
3642 West 11th Ave., Vancouver.
BUSHNELL, ROBERT B.
Quesnel.
CAMERON, MRS. RAY
719 No. 3 Road, Lulu Is., Vancouver.
CARTWRIGHT, MILDRED E. T.
Burnaby General Hospital, S. Burnaby.
CASANAVE, MISS MARY GRACE
825 Selkirk St., Victoria.
CLARK, MEI LIN
1056 Matthews Ave., Vancouver.
CHOMAS, MRS. CLAUDETTE
E3 - 308 N. Yakima, Tacoma, Wash., U.S.A.
CLARKE, YVONNE
3606 West 15th Ave., Vancouver.
CLIFFE, ARTHUR E.
815 Glenn Ave., Kelowna.
COOPER, MRS. BEVERLY
208 Handley Ave., Sea Is., Vancouver.
CORPE, HELEN B., R.N.
Ste. 3, 4141 Oak St., Vancouver.
CUTLER, MARY C., R.N.
St. Joseph's Hospital, Comox.

BRITISH COLUMBIA continued

DALEN, SLIVIA
Apt. 4, 1045 West 11th Ave., Vancouver.
DAWSON, HELEN A., R.N.
Ste. 209, 1925 Nelson St., Vancouver.
DIXON, MARIE ELIZABETH
815 Anderson Rd., Lulu Is., Vancouver.
DOUMONT, DOROTHY H., R.N.
St. Paul's Hospital, Vancouver.
DRAGE, MRS. GWENDOLYNE
Somerset Hospital, Somerville, New Jersey, U.S.A.
DRIKITIS, MRS. IRMGARDE
230 West 10th Ave., Vancouver.
DUMBRECK, ELSIE M.
Bulkley Valley District Hospital, Smithers.
DYNNA, ANN
Royal Inland Hospital, Kamloops.
EWART, KATHERINE
Box 845, Campbell River.
FAHR, SGT. JOHN
R.C.A.F. Det., Fort Nelson.
FISHER, RETA MARJORIE, R.N.
7779 Montcalm Street, Vancouver.
FRANCK, SYBIL G.
984 McKenzie Ave., Victoria.
FRITZ, PETER G.
362 Sherbrooke St., New Westminster.
FULLER, GWEN J.
111 Sapper St., New Westminster.
GALLICHAN, MRS. ETHNE
1356 West 53rd Ave., Vancouver.
GAGNON, BENOIT
St. Paul's Hospital, Vancouver.
GIRSCHER, MRS. GWEN J.
B.C. Cancer Institute, Vancouver.
GOERTZEN, REUBEN J.
Queen Victoria Hospital, Revelstoke.
GOODALL, JOAN, R.N.
1545 West 15th Ave., Vancouver.
GREENWOOD, MRS. DORA L., R.N.
Ste. 201, 1169 Pacific St., Vancouver.
GUINN, MRS. ROBINA
Pearson Hospital, Vancouver.
GUNN, MRS. MARJORIE B.
Royal Jubilee Hospital, Victoria.
GRAY, MISS GWENDOLINE O.
1433 Burnaby St., Vancouver.
HAACK, AUDLEY M. L.
2024 Sasamat Street, Vancouver.
HAACK, EDYTHE E. H.
1404 West 64th Ave., Vancouver.
HALL, ROBERT F. D.
H.M.C.S. "Naden", Esquimalt, B.C.
HARDY, MRS. UNA M., R.N.
Ste. 109, 317 Third Ave., New Westminster.
HARRISON, MARY C.
1588 West 40th Ave., Vancouver.
HAMER, SHEILA
General Hospital, Chilliwack.
HARWOOD, CPL. DENNIS A., SU 3114
R.C.A.M.C., No. 10 Det., West. Comm., Edmonton, Alberta.
HAY, DOROTHY V.
D.V.A. Hospital, Victoria.
HAYES-O'SULLIVAN, MARY M.
825 Selkirk St., Victoria.
HIGGINBOTTOM, MARY LOUISE
X-Ray Dept., 1401 W. Broadway, Vancouver.
HOFNER, BARBARA
3115 Alder Street, Victoria.
HOOD, MRS. ELLEN I., R.N.
2175 West 16th Avenue, Vancouver.
HERR, MRS. BEVERLY H.
426 West 19th Ave., Vancouver.
LENNIE, DORIS
Salmon Arm.
LEWIS, MRS. ELEANOR
Ste. 1, 1377 West 70th Ave., Vancouver.
LOCKWOOD, MARVIN E.
Box 97, Alberni, B.C.
LUST, SHIRLEY
319 Archer St., New Westminster.
LYONS, MABEL E. M., R.N.
180 West 23rd Ave., Vancouver.
MACBEAN, MARJORIE E., R.N.
2370 Palmerston Ave., West Vancouver.
McDONALD, FLORENCE A., R.N.
3819 Cambie Street, Vancouver.
McDONALD, JESSIE A.
417 Silica Street, Nelson.
McMILLAN, MARY A., R.N.
X-Ra Dept., W.C.B., 657 West 37th Ave., Vancouver.
MARTIN, MURIEL J., R.N.
5596 Rupert Street, Vancouver.
MALLETT, MONA
996 West 32nd Ave., Vancouver.
MILLER, WALTER J.
1036 Findlayson Dr., Lulu Is., Vancouver.
MILNER, MRS. MARGARET
760 East 63rd Ave., Vancouver.
MLODZIANOWSKI, ANTHONY
White Rock Hospital, White Rock.
MONTGOMERY, HENRY A.
2236 West 15th Ave., Vancouver.
MORGAN, MRS. DARLEEN E.
678 Dallas Road, Victoria.
MOTTRAM, ANNA C.
1025 Pentrelew Place, Victoria.
MURRAY, BARBARA M.
Ste. 7, 1210 Harwood Street, Vancouver.
NEESHAM, JILLIAN
2921 Prior Street, Victoria.
NIEWERETH, MRS. ANN S.
1637 Lonsdale Ave., North Vancouver.
OLAFSEN, ROBERT G.
236 McKessock Ave., Lulu Is., Vancouver.
O'REILLY, ROSE V., R.N.
625 East 8th Ave., Vancouver.
OSBORNE, WILLIAM H.
X-Ray Dept., 1401 W. Broadway, Vancouver.
OSBORNE, MISS BERNICE H.
Prince George.
PATERSON, MARGARET G.
1750 Oak Bay Road, Victoria.
PEARS, MRS. VERNA M.
779 East 32nd Ave., Vancouver.
PEARSON, DONA J.
General Hospital, Kimberley.
PEARSON, DORIS.
Invermere.
PROFITT, Marian E.
Medical Clinic, Vernon.
RATTRAY, Marjorie M., R.N.
6526 Lime Street, Vancouver.
REESE, ETHEL J.
Burnaby General Hospital, S. Burnaby.
RICHARDSON, MRS. A. JEAN, R.N.
3024 Fraser Street, Vancouver.
ROGERS, PATRICIA M.
c/o Drs. Ireland, Gard & Wiens, 1726 W. Broadway, Vancouver.

BRITISH COLUMBIA continued

ROSS, MRS. NORMA.
1021 Keswick Ave., R.R. No. 8, New Westminster.
RUGGLES, EVA.
1353 Barclay Street, Vancouver.
SAULTER, EMERSON.
General Hospital, Kelowna.
SAUERMANN, ELENA.
Memorial Hospital, Langley.
SAUNDERS, JERRY C.
Vancouver General Hospital, Vancouver.
SEAMAN, ETHEL G.
2554 Cornwall Street, Vancouver.
SHURVELL, MRS. KATHLEEN
3225 Portland Street, S. Burnaby.
SIMMS, CAROL E.
Ste. 308, 2570 Hemlock St., Vancouver.
SIMONEAU, YVETTE
c/o Dr. Miller-Tait, Prince George.
SIMPSON, BARBARA A., R.N.
513 8th Avenue, New Westminster.
SKILLINGS, MRS. JOY
3138 Westdowne Road, Victoria.
SMITH, JAMES G.
C. S. Williams Clinic, Trail.
SMITH, S. MEL
226 McLennan Ave., Lulu Is., Vancouver.
SPONG, SYLVIA L.
721 16th Street, New Westminster.
STIRLING, WILLIAM Q.
297 West 46th Ave., Vancouver.
STRAND, GUSTAVE K.
King's Daughters' Hospital, Duncan.
SUDBURY, JOSEPH WILLIAM
2153 East 2nd Avenue, Vancouver.
SYKES, MRS. ROSE M.
2939 Colwood Drive, North Vancouver.
TAIT, R. HOWARD
Royal Island Hospital, Kamloops.
TAIT, VANETIA L.
Ste. 11, 338 Agnes Street, New Westminster.
THOMPSON, DERRALD L.
1616 Earle Street, Victoria.
TURIGAN, MARION J.
Royal Jubilee Hospital, Victoria.
VAN VALKENBURG, LYNNE
Ste. 304, 1990 Haro Street, Vancouver.
VON PENTZ, ROSEMARIE
Royal Columbian Hospital, New Westminster.
WALKER, NANETTE M.
102 West 20th Ave., Vancouver.
WALLACE, GEORGE E.
2731 Oliver Crescent, Vancouver.
WARD, C.P.O. HOWARD J.
3392 Salsbury Way, Victoria.
WEHRY, MRS. ELLA G.
96 East 50th Ave., Vancouver.
WESTMACOTT, WINNIFRED G.
T.B. Clinic, Victoria.
WHITE, MARY C.
Travelling Clinic, Tranquille, B.C.
WILLIAMS, MYRTLE I., R.N.
X-Ray Dept., Sanatorium, Tranquille.
WOLFE, LOIS
General Hospital, Penticton.
WONG, IRENE
Ste. 7, 1305 West 15h Ave., Vancouver.
YOUNG, MARPORIE A., R.N.
2832 Alamein Street, Vancouver.

REVEREND SISTERS

SISTER AGNES MARIE
St. Vincent's Hospital, Vancouver.
SISTER CELINE MARIE BAINES
St. Martin's Hospital, Oliver.
SISTER M. EUCHERIA (SMITH)
St. Joseph's Hospital, Comox.
SISTER M. CARMICHAEL
St. Joseph's Hospital, Comox.
SISTER MARIE DE L'INCARNATION
Mt. St. Joseph's Hospital, Vancouver.
SISTER MARY BERTHOLDE
St. Martin's Hospital, Oliver.
SISTER JEAN VIATEUR
St. Eugene Hospital, Cranbrook.

ASSOCIATE MEMBERS

BLAIR, JOHN T.
G.E. X-Ray Corporation, 645 Hornby St., Vancouver
CONNELL, ROBERT S.
Picker X-Ray Corporation, 1382 W. Broadway, Vancouver.
HAMBLIN, GORDON W.
Can. Kodak Sales, 2690 West 37th Ave., Vancouver.
FOLDON, BRUCE W.
39 Glenmore Drive, West Vancouver.
STANLEY, JOHN
Dupont of Canada, Ltd., 1687 W. Broadway, Vancouver.

NON-ACTIVE MEMBERS

BATTRUM, MRS. PHYLLIS L.
6707 Laburnum St., Vancouver.
BODMAN, MRS. BARBARA A.
B.C. Forest Service, Prince George.
BROWN, CLIFFORD H.
H.M.C.S. "Naden," Esquimalt.
DAY, MRS. BARBARA
6649 Granville Street, Vancouver.
DRUMMOND, MRS. MARGARET J.
1223 Micola Street, Kamloops.
LANGLOIS, MRS. MARJORIE
Indian Health Services, Duncan.
FOWLER, MRS. FLAVIA
17247 Westminster Rd., R.R. No. 3, New Westminster.
GREENWOOD, MRS. LAVINIA M.
687 Mt. Joy Avenue, Victoria.
GRESHAM, MRS. JANET
3322 East 29th Ave., Vancouver.
HOLMES, SARAH
C. S. Williams Clinic, Trali.
KELLY, MRS. MURIEL C.
3950½ S. Brighton Ave., Los Angeles 62, California.
LOWNDS, MARJORIE L., R.N.
General Hospital, Queen Charlotte City.
McQUADE, MRS. THELMA
590 Hampshire Road, Victoria.
MONK, FRED A.
1505 Pemberton Ave., North Vancouver.
PIDSKALNY, MRS. NANCY E.
217 5th Ave., New Westminster.
PETKOVICH, MRS. LORRAINE
Royal Jubilee Hospital, Victoria.

BRITISH COLUMBIA continued

RICHARDS, LEO B.
Box 54, Hatzic.

STEWART, MARGARET F.
No. 1124, 925 West Georgia St., Vancouver.

STOLL, MRS. GERTRUDE E.
4335 Oxford Street, Vancouver.

REV. SISTER PATRICIA ANN
St. Paul's Hospital, Vancouver.

UNGER, MRS. ELIZABETH M.
1357 Bay Ave., Trail.

VINCENT, NORMAN R.
1075 S.E. Marine Drive, Vancouver.

LAUNDY, MISS SALLY
555 Medical-Dental Bldg., Seattle 1, Wn., U.S.A.

HARMER, JOHN R.
215 9th Ave. E., Prince Rupert.

MANITOBA DIVISION

REGISTERED MEMBERS

ACKROYD, ERNEST
C.T.C. 668 Bannatyine Ave., Winnipeg 3.

ACTON, JUNE
X-Ray Dept., Brandon Gen. Hospital, Brandon.

ALARIE, ALICE
Winnipeg, Clinic, Winnipeg 3

ALLISON, W. C.
Portage la Prairie.

AMOS, WM. CLARENCE
Manitoba San., Ninette.

ANDERSON, WALTER J.
C.T.C. 668 Bannatyine Ave., Winnipeg 3.

AUKLAND, VIRGINIA
Ste. 7, 263 Brodway St., Winnipeg.

AXTELL, GORDON W.
X-Ray Dept., Manitoba Clinic, Winnipeg.

BERUBE, PIERRETTE
161 Masson St., St. Boniface.

BODLE, CLAUDE
Medical Arts Bldg., Winnipeg 1.

BONIN, DOLORES
138 Notre Dame St., St. Boniface.

BOURNS, SADIE
661 Broadway Ave., Winnipeg 1.

BROOKS, MRS. LUCILLE
186 Home St., Winnipeg.

BURGESS, HAROLD
Box 88, Deloraine.

BUTLER, DESMOND R.
116 Medical Arts Bldg. Winnipeg 1.

CAREL, ODETTE
972 Waterford St., Fort Garry, Winnipeg 9.

CATLEY, ROY
Brandon General Hospital, Brandon.

CHERAK, LYDIA
Winnipeg General Hospital, Winnipeg.

COMEAU, GISELLE
141 Bertrand St., St. Boniface.

DEACON, SHEILA
898 Clifton St., Winnipeg 3.

DOERKSON, JESSIE
Concordia Hosptial, Winnipeg 5.

DOERN, WM.
X-Ray Dept., Winnipeg General Hospital, Winnipeg.

DOERN, CAROLINE
C.T.C., 668 Bannatyne Ave., Winnipeg 3.

DUPUIS, ALIDA
DeSalaberry Hospital, St. Pierre.

ENNS, JACOB
St. Boniface Hospital, St. Boniface.

FALLON, KAY
25 Medical Arts Bldg., Winnipeg 1.

FOSTER, MRS. GAY
Winnipeg Clinic, Winnipeg.

FURUTANI, AKIRA
Provincial Lab., Emily & Bannatyne, Winnipeg 3.

GAFKA, WILFRED
Neepawa.

EMMA, GENDRE
Misericordia Hospital, Winnipeg 1.

GIBSON, HUGH
Brandon San., Brandon.

GUNDRUM, OLIVE
No. 9, 860 Winnipeg Ave., Winnipeg 3.

HEPPELEE, MRS. EUNICE
Victoria Hospital, Winnipeg.

HOLLANDER, HENRY
142 10th St. N.W., Portage la Prairie.

HYDE, ROSE
116 Lorne Ave., Portage la Prairie.

ISLEIFSON, MURRAY
831 Montrose Ave., East Kildonan.

KANSKY, JANET
800 Inkster Blvd., Winnipeg 4.

KERR, MRS. R.
309 Hargrave St., Winnipeg 2.

KITSON, MRS. IRMA
Lab-X-Ray Unit, Selkirk.

KOZAK, ALEXANDER
Winnipeg General Hospital, Winnipeg 3.

KREITZ, MARGARET
St. Boniface Hospital, St. Boniface.

LESTER, MRS. TANNIS
221 Campbell St., Winnipeg.

LEATHWOOD, ROBERT
University of Man., Rm. 114 Medical Bldg., Winnipeg.

LUNN, MURRAY
294 Duffield St., Winnipeg.

MACKENZIE, ARCHIBALD
Deer Lodge Hospital, Winnipeg.

McALLISTER, PHYLLIS
116 Parkside Dr., Winnipeg 12.

McCALLUM, MRS. PATRICIA
Ste. 8, Borkevale Apts., St. James.

McCULLAGH, ORPHA
33 Clare Ave., Winnipeg 13.

MEDNICK, PAT
Mall Medical, Winnipeg.

MEYERS, D.
C.T.C., 668 Bannatyne Ave., Winnipeg 3.

MITCHELL, OPAL
264 Edmonton St., Winnipeg.

MOFFAT, HAROLD
304 McLean Ave., Selkirk.

OLSON, MARGARET
Box 633, Beausejour.

MANITOBA continued

OSTWALD, CORNELIA
363 Harcourt Ave., St. James.

PELLERIN, MRS. THERESE
St. Boniface Clinic, 343 Tache Ave., St. Boniface.

PORTH, ALVINA
121 Chestnut St., Winnipeg 10.

PROUT, EMILY, Ste. 5, 835 Louis, Brandon.

ROH, ALEXANDER
C.T.C., 688 Bannatyne Ave., Winnipeg 3.

ROOK, G. LAURINA
Princess Elizabeth Hospitla, Winnipeg.

ROWE, DAVID
279 Fortin St., Apt. 56, St. Jean, Quebec.

SIMEON, ALBERT
C.T.C., 668 Bannatyne Ave., Winnipeg 3.

SOENEN, LOUISE
205 Enfield Cres., Norwood.

SMITH, YVONNE
990 Grosvenor Ave., Winnipeg.

STANTON, EVELYN
Box 550, Bartlesville, Olkahoma, U.S.A.

STESKI, MINNIE
Winnipeg Clinic, Winnipeg.

STEWART, MRS. MINA
Winnipeg General Hospital, Winnipeg 3.

STRECKER, PATRICIA
314 Johnson St., Elmwood.

SUMMERELL, SANDRA
98 Hazeldell Ave., Winnipeg 5.

TABBE, MARIA
301 Ambassador Apts., 379 Hargraves St., Winnipeg.

THOMPSON, SHIRLEY
116 Medical Arts Bldg., Winnipeg.

THURMEIER, EMILY
Kobrinsky Clinic, 216 Kennedy St., Winnipeg.

TOUPIN, HENRIETTE
522 deLamorenie St., St. Boniface.

TRIGGERSON, ALEXANDER
Winnipeg Clinic, Winnipeg.

WATSON, MRS. CLAIRE U.
116 Medical Arts Bldg., Winnipeg.

WEISS, CLARENCE
1321 Windermere, Winnipeg.

WRUBLOWSKY, BERNICE
385 Eugenie St., Norwood.

ZAYSHLEY, JAMES J.
C.T.C., 668 Bannatyne Ave., Winnipeg 3.

REVEREND SISTERS

REV. SISTER D'AVIGNON
St. Boniface Hcspital, St. Boniface.

REV. SISTER ST. HELENE OF ROME
Misericordia Hospital, Winnipeg.

REV. SISTER IGNATIUS ZENTER
Lab., St. Boniface Hospital, St. Boniface.

REV. SISTER SAINTE ALBINA
St. Anthcny Hospital, The Pas.

ASSOCIATE MEMBERS

ENNS, D. P.
G.E. Electric X-Ray Corp., 565 Portage Ave., Winnipeg.

PENLEY, DOUGLAS
DuPont of Canada, Chemicals Dept., 294 Portage Ave., Winnipeg.

VIN, ANTS
211 Graham Ave., Winnipeg.

NON-ACTIVE MEMBERS

COHN, MRS. SONDRA
10F Lanark Gardens, Winnipeg.

COULSON, MRS. CATHERINE
702 16th St., New Westminster, B.C.

COTTINGHAM, MRS. DUNCAN
Box 58, Swan River, Man.

DUNCAN, R. G.
1635 Temple Ave., Long Beach 4, California, U.S.A.

DRUMMOND, JAMES
P.O. Box 1097, Garrison, N.D.

FOREST, EVELYN
1524 1st Ave. North, Great Falls, Montana, U.S.A.

FORTUNE, MARGORIE E.
216 Voca Ave. E., Fergus Falls, Minn., U.S.A.

GOURLEY, GRACE
230 Oxford St., Winnipeg 9.

GROSS, MRS. JANET
1043 Dudley Ave., Winnipeg 9.

HAND, MRS. SARAH
21 Lenor St., Winnipeg 10.

JESSEN, MRS. ISABELLE
Melita, Man.

JONES, W. T. H.
12113 New McLellan, R.R. No. 1, Cloverdale, B.C.

OLIVER, IRENE
Fox Memorial Hospital, Carberry, Man.

THE NEW BRUNSWICK SOCIETY OF X-RAY TECHNICIANS

REGISTERED MEMBERS

AMOS, THELMA
St. Joseph's Hospital, Saint John.

BECKWITH, MRS. ELEANOR
Tuberculosis Hospital, East Saint John.

BISHOP, MRS. MARGOT
516 Lewin Park, Lancaster.

BURSEY, DONALD
36 Dunbar Road, Reading, Mass., U.S.A.

CAMERON, EILEEN
Saint John General Hospital, Saint John.

CAMPBELL, JOYCE
Victoria Public Hospital, Fredericton.

CARLIN, RITA
Moncton Hospital, Moncton.

COOPER, JOHN
Lancaster D.V.A. Hospital, Lancaster.

CRAIG, SHIRLEY
Tuberculosis Hospital, Moncton.

CREELMAN, KAY
Moncton Hospital, Moncton.

CURRIE, EVA
Victoria Public Hospital, Fredericton.

DONAHUE, GERALDINE
Tuberculosis Hospital, Moncton.

FITZPATRICK, AILEEN
158 Maple Ave., Rahway, New Jersey, U.S.A.

HODGIN, SHIRLEY
St. Joseph's Hospital, Saint John.

HOOLEY, ROSE M.
Lancaster D.V.A. Hospital, Lancaster.

HUTCHISON, CLARE
St. Joseph's Hospital, Saint John.

KYLE, MRS. ELIZABETH
Kings County Memorial Hospital, Sussex.

LE BLANC, ROCHELLE
Hotel Dieu Hospital, Chatham.

LISTON, DARRELL
Lancaster D.V.A. Hospital, Lancaster.

LOGAN, MRS. RUTH
Saint John General Hospital, Saint John.

MARTIN, DONNA
Moncton Hospital, Moncton.

McALLISTER, LAURA
Saint John General Hospital, Saint John.
McEACHREON, HONORINE
Hotel Dieu Hospital, Bathurst.
McINTYRE, SHIRLEY
Gardiner General Hospital, Gardiner, Maine, U.S.A.
McKELLOP, GERTRUDE
Children's Hospital, Boston, Mass., U.S.A.
McNAIR, LOIS
Lancaster D.V.A. Hospital, Lancaster.
NADEAU, PAUL
Tuberculosis Hospital, East Saint John.
PRINGLE, MARGARET
Victoria Public Hospital, Fredericton.
ROSS, MRS. JOYCE
Saint John General Hospital, Saint John.
SANSOM, MRS. ERNESTINE
Soldiers' Memorial Hospital, Campbellton.
SECORD, JANE
Saint John General Hospital, Saint John.
SMITH, BARBARA
Saint John General Hospital,, Saint John.
TEED, MARGARET
Moncton Hospital, Moncton.
TONGE, MRS. ELIZABETH
Saint John General Hospital, Saint John.
WALKER, NORMA
Charlotte County Hospital, St. Stephen.
WATERS, LOIS
Saint John General Hospital, Saint John.
WEBSTER, ARLINE
Saint John General Hospital, Saint John.
WOOD, VERNA
61 South Main St., Middleton, Conn., U.S.A.

REVEREND SISTERS

SISTER S. ALLAIN
Hotel Dieu Hospital, Campbellton.
SISTER CECILE DUFOUR
Hotel Dieu Hospital, Edmunston.
SISTER M. deLELLIS
St. Joseph's Hospital, Saint John.
SISTER LOUIS DE VALENCE
Hotel Dieu Hospital, Moncton.
SISTER E. MALLET
Hotel Dieu Hospital, Tracadia.
SISTER ESTELLE MARTIN
St. Joseph's Sanatorium, St. Basile.
SISTER MARY EDITH
Charlottetown Hospital, Charlottetown, P.E.I.
SISTER MARGARET M. MacKENZIE
Hotel Dieu Hospital, Chatham.
SISTER MARINA
St. Joseph's Hospital, Saint John.

RADIOLOGIST MEMBERS

KIRKLAND, DR. A. S.
Rothsay.
PETRIE, DR. E. A.
St. Joseph's Hospital, Saint John.
RIPLEY, DR. H. R.
Moncton Hospital, Moncton.

NON-ACTIVE MEMBERS

CHRISTOPHER, MRS. DIANE
359 Lytton Blvd., Toronto 12, Ontario.
GILLILAND, MRS. BARBARA
17 Peter St., Saint John.
JONES, NANCY
St. Joseph's Hospital, Saint John.
MacMASTER, MRS. HELEN
249 Weldon St., Moncton, N.B.
MORRISON, MRS. AGNES
Box 358, Newcastle, N.B.
MORSE, J. RUSSELL
20 Pleasant St., Benton Station, Maine, U.S.A.
SILLIPHANT, MARY
Summerside, P.E.I.
THOMAS, MRS. ANNIE
St. Stephen.
SISTER FRANCES L. SANFORD
Mount St. Joseph Hospital, Chatham.

NEWFOUNDLAND DIVISION

REGISTERED MEMBERS

BAKER, ELIZABETH, R.N.
St. Clare's Mercy Hospital, St. John's.
BASHA, MARY O.
Lady Northcliffe Hospital, Grand Falls.
BELBIN, ROBERT
Hospital for Mental and Nervous Diseases, St. John's.
CALVER, ERIC
St. John's General Hospital, St. John's.
CURTIS, MARCELLA
St. John's General Hospital, St. John's.
HAMMOND, ARTHUR
P.O. Box 2, Corner Brook.
HEARN, JOHN
St. John's General Hospital, St. John's.
HOSKINS, MERCEDES, R.N.
St. John's Sanatorium, St. John.
MAHER, MARION
St. John's General Hospital, St. John's.
MURPHY, THOMAS
St. John's General Hospital, St. John's.
RENDELL, ANNE
St. John's Sanatorium, St. John's.
ROBERTS, BERYLE
Medical Arts Building, Corner Brook.
ROBERTS, CLARENCE
Grace Hospital, St. John's.
SHUTE, ERNESTINE
324 Hamilton Ave., St. John's.
TOBIN, CATHERINE, R.N.
St. John's General Hospital, St. John's.
YOUNG, RAYMON
Twillingate Memorial Hospital, Twillingate.
SISTER M. MAGDALENE, R.N.
St. Clare's Mercy Hospital, St. John's.

ASSOCIATE MEMBERS

CHALKER, C. R.
C. R. Bell Ltd., Water St., St. John's.
CORNICK, ERIC
Heap & Partners (Nfd.), New Gower St., St. John's.
FREEMAN, R. S. A.
Heap & Partners (Nfd.) Ltd., New Gower St., St. John's.
PITTMAN, A. C.
C. R. Bell Ltd., Water St., St. John's.
TOOTON, RAYMOND
A. M. Tooton Ltd., Water St., St. John's.

NON-ACTIVE MEMBERS

TAYLOR, MRS. MERCEDES
30 Craigmiller Ave., St. John's.
LONG, EVA, R.N.
22 Holloway St., St. John's.

NOVA SCOTIA DIVISION

REGISTERED MEMBERS

AALDERS, MARJORIE
Camp Hill Hospital, Halifax.
BENJAMIN, KEITH
Camp Hill Hospital, Halifax.
BLANDFORD, MARGARET, R.N.
Edgehill Road, Armdale, Halifax Co.
BOWMAN, MR. LESLIE W.
446 Windsor Street, Halifax.
CAMERON, LOIS G.
180 Portland Street, Dartmouth.
CLARKE, VERNA
Nova Scotia Hospital, Dartmouth.
CRANDALL, MRS. BERTIE
Halifax Infirmary, Halifax.
CUNNINGHAM, BARBARA
68 Walnut Street, Halifax.
DALGLEISH, THOMAS
P2RR3-7391-H Labrador, c/o C.N.P.O. 5073, Montreal.
ECHT, RENATE
Halifax Infirmary, Halifax.
EDSTROM, EMILY
324 Spring Garden Road (Ste. 103), Halifax.
EDWARDS, MRS. CLAIRE
Victoria General Hospital, Halifax.
FERGUSON, SHIRLEY
Victoria General Hospital, Halifax.
FOUGERE, A. HENRY
Sick Mariners' Clinic, Pier 21, Halifax.
HARRIS, GILBERT G.
N.S. Sanatorium, Kentville, N.S.
HURST, NORMAN
Camp Hill Hospital, Halifax.
KILEY, SHEILA
Victoria General Hospital, Halifax (Radiotherapy Department).
LOCKHART, JESSIE
Aberdeen Hospital, New Glasgow, N.S.
LOWE, JOHN A.
c/o Mrs. E. O'Neill, Alfred Street, Tufts Cove, Halifax Co.
MERCER, DOREEN
Victoria General Hospital, Halifax.
MacCULLOCH, MARIAN
Cowan Street, Westville, N.S.
MacDONALD, HELEN A.
St. Martha's Hospital, Antigonish.
MacKINNON, ELEANOR
P.O. Box 292, Inverness, N.S.
McLEAN, MURDOCH
City of Sydney Hospital, Sydney, N.S.
MacNEIL, CATHERINE
New Waterford General Hospital, New Waterford, N.S.
MacRAE, MARGARET, R.N.
Glace Bay General Hospital, Glace Bay, N.S.
NOEL, WILLIAM
14 Basin View Drive, Halifax.
ORMEN, BARBARA
Victoria General Hospital, Halifax.
PERRY, ALBERT
Dawson Memorial Hospital, Bridgewater.
PETERS, ROBERT
Division of Diagnostic Services, Department of Public Health, Provincial Building, Halifax, N.S.
PURCELL, MRS. BETTY
Children's Hospital, Halifax.
PURVES, SUSAN
115 Rockdale Avenue, Sydney, N.S.
RUDDERHAM, MARJORIE
Box 133, Louisburg, N.S.
SINGER, AUSTIN D.
c/o Radioisotopo Laboratory, U.S. Naval Hospital, Bethesda, Maryland.
SPICER, BETTE JO
Victoria General Hospital, Halifax.
STANFORD, GUY W.
65 Slayter Street, Dartmouth, N.S.
STODDARD, FREDERICK
Digby General Hospital, Digby, N.S.
THOMAS, EVELYN
Colchester County Hospital, Truro, N.S.
ZWICKER, MAURICE
Camp Hill Hospital, Halifax, N.S.
SISTER FLORENCE ANNETTE
St. Rita Hospital, Sydney.
SISTER EDMUND CAMPION, R.N.
Halifax Infirmary, Halifax.
SISTER RITA CLARE, R.N.
Halifax Infirmary, Halifax.
SISTER JOHN OF THE CROSS
St. Rita Hospital, Sydney.
SISTER MARY DAVID, R.N.
Halifax Infirmary, Halifax.
SISTER FRANCES GRACE
St. Elizabeth Hospital, North Sydney.
SISTER MARY OF MERCY
Western Hospital, Alberton, P.E.I.
SISTER MARY ROBERTA
St. Joseph's Hospital, Glace Bay.

REGISTERED THERAPY TECHNICIAN

CLARKE, MABEL S.
Victoria General Hospital, Halifax (Radiotherapy Department).

ASSOCIATE MEMBERS

LEYBOURNE, MURRAY, B.Sc.
Picker X-Ray Engineering Ltd., 83 Birmingham Street, Halifax.

NON-ACTIVE MEMBERS

CLARKE, MURRAY, R.N.
Harbour View Hospital, Sydney Mines.
HARPER, MRS. MARY
23 Scott Street, Halifax.
HARVEY, THELMA
P.O. Box 99, Baddeck, N.S.
MacDOUGALL, JOAN
122 Connaught Ave., Glace Bay.
McLAUGHLIN, JESSIE, R.N.
P.O. Box 332, Stellarton, N.S.
SISTER MARGARET EDWARD, R.N.
St. Elizabeth Hospital, North Sydney.
SISTER MARY URSULA
Charlottetown Hospital, Charlottetown, P.E.I.

ONTARIO SOCIETY OF RADIOGRAPHERS

REGISTERED MEMBERS

ADAMS, MRS. AMY
Ottawa Civic Hospital, Ottawa.

ALLEN, EILEEN
General Medical Clinic, 234 Romaine St., Peterborough.

ALLEN, HELEN
St. Joseph's Hospital, Peterborough.

ALLEN, WM. GEO.
Niagara Peninsula Sanatorium, St. Catharines.

AMES, MAUREEN R.
Kingston General Hospital, Kingston.

ANDERSON, DONALD J.
Victoria Hospital, London.

ARGO, JANET
New Liskeard.

BAIDUK, NINA
c/o Dr. F. M. Young, 504 Main St. E., Hamilton.

BARKER, F/O GEORGE F., 216319
P.O. Box 107, R.C.A.F. Station, Rockcliffe.

BARTRAM, MARGARET
c/o Nurses' Residence, Sunnybrook Hospital, Toronto.

BELL, GLENORA
840 Richmond St., London.

BELL, MARJORIE ELLEN
Ontario Veterinary College, Guelph.

BELLEAU, HAROLD
16 Nickle St., Toronto 9.

BELLEFONTAINE, MRS. WANDA R.
Cottage Hospital, Pembroke.

BELLINGER, DAVID
St. Joseph's Hospital, Chatham.

BENTLEY, HAZEL
39 Elliot Ave. E., Windsor, Ont.

BIGELOW, WILSON
Box 864, Kirkland Lake.

BOESE, PHILLIPPA
332 Simcoe St. N., Oshawa.

BOLSTER, MARGUERITE
Ontario Cancer Foundation, Kingston Clinic.

BOLTON, BARBARA
357 Simcoe St., London.

BONGARD, THELMA
Peterborough Civic Hospital, Peterborough.

BOOCOCK, BETTY
c/o Dr. C. E. Vaughan, 2 Young St., Hamilton.

BOYD, JOAN
Westminster Hospital, London.

BRAND, JEAN MARGARET
Brantford General Hospital, Brantford.

BREWER, MARGERY
Kingston General Hospital, Kingston.

BROWNE, CONSTANCE
The Ontario Cancer Foundation, Thunder Bay Clinic. General Hospital, Port Arthur.

BRUMWELL, MRS. JEAN
1811 Merkley Ave., Apt. 6, West Sacramento, Calif.

BURNS, WILLIAM R.
c/o Dr. A. C. Singleton, Medical Arts Building, Toronto.

BUTTENHAM, DIANA
195 Grosvenor St., Hamilton.

CAMERON, LYLA E.
Columbus, Ontario.

CAMERON, MARY F. (Life Member)
250 Main St. E., Hamilton.

CAMPBELL, EDNA
Box 66, Collingwood.

CAMPBELL, ERIE
Metropolitan Hospital, Windsor.

CAMPBELL, GWENITH
Arnprior Hospital, Arnprior.

CARPEN, SGT. EDWARD, No. 206630
R.C.A.F. Station St. Hubert, St. Hubert, P.Q.

CARTWRIGHT, LESLIE J.
Hospital for Sick Children, Toronto.

CASSIDY, MRS. GLADYS
35 36th St., Long Branch, Ontario.

CAVE, ETHEL M.
St. Michael's Hospital, Toronto.

CHIASSON, M. ERNESTINE
C.N.R. Medical Clinic, 151 Front St. W., Toronto.

CLARK, LINDA
Misericordia Hospital, Haileybury.

CLARKE, HERBERT A.
Royal Ottawa Sanatorium, Ottawa.

CLEVELAND, MABEL
1271 Kildare Rd., Windsor.

CODE, MRS. ELEANOR
Carleton Place and District Memorial Hospital, Carleton Place.

COLLINS, JOHHN
McKinnon Industries Ltd., St. Catharines.

COONES, JOHN H.
312 Charlotte St., Peterborough.

CORKERY, NOREEN
The Peterborough Clinic, 327 Charlotte St., Peterborough

COX, FRANK
102 Donmar Apts., 325 Sammon Ave., Toronto 6.

CREALLY, MARY LOU
177 Parkside Dr., Toronto.

CROOK, MRS. ANNE F.
Apt. 402, 8 Hill Heights Rd., Etibocoke, Toronto 14.

CURRIE, GERTRUDE
Ontario Hospital, Woodstock.

DABKUS, ONA
Toronto Hospital, Weston.

DAINE, SGT. GEORGE
R.C.A.F. Station Hospital, Aylmer West.

DALY, MRS. JOAN
25 Manor Park Crescent, Guelph.

DeLOGE, MARIE
Essex County Sanatoruim, Prince Rd., Windsor.

DERZKO, ZORJANNA
Hospital for Sick Children, Toronto.

DICKMAN, SGT. PETER H., No. 33408
4 (F) Wing R.C.A.F., C.A.P.O. 5052, Canadian Armed Forces, Europe.

DIEHL, HANNELORE
Toronto Western Hospital, Toronto.

DiFILIPPO, ELFO P.
Copper Cliff Hospital, Copper Cliff.

DINNER, MRS. RITA
R.R. No. 1, Bracebridge.

DISLEY, F. ISOBEL
Drs. McNabb, Roger and Fraser, Medical Arts Building, Ottawa.

DIXON, PEARL E.
Soldiers' Memorial Hospital, Orillia.

DOOLAN, MRS. MARY
3431 Everts Ave., Windsor.

DOUGLAS, ANDREW
53 Holly St., Toronto.

ONTARIO continued

DRIMMIE, ELAINE
Civic Hospital, Peterborough.

DRIMMIE, GEORGE
Nora-Frances Henderson Hospital, Hamilton.

DUNCAN, JOAN M.
Kitchener-Waterloo Hospital, Kitchener.

DURETTE, GERALD
St. Joseph's Hospital, Sudbury.

DURHAM, VERA J.
Ontario Hospital, Woodstock.

EASTMAN, BESSIE
St. Lawrence Sanatorium, Cornwall.

ELLIS, JANE
Humber Memorial Hospital, Weston.

ERWIN, ELIZABETH
87 King St., Simcoe.

ESCAF, ADELINE M.
Victoria Hospital, London.

FALKOWSKI, Z. JAN
Toronto General Hospital, Wellesley Division, Toronto.

FISHER, IRWIN R.
Mount Sinai Hospital, Toronto.

FLYNN, DIANA
South Waterloo Memorial Hospital, Galt.

FORD, MRS. ISABELLE
St. Joseph's Hospital, Hamilton.

FOSTER, EVELYN
145 Kohler St., Sault Ste. Marie.

FOX, LESLIE
Brantford General Hospital, Brantford.

FRASER, MRS. JEANNE
Medical Arts Bldg., Windsor.

FREDERICK, PAUL
Workmen's Compensation Board, 90 Harbour St., Toronto.

FUJIMOTO, RAY K.
Mountain Sanatorium, Hamilton.

FUJIMOTO, YOSHIHIRO
280 Britannia Ave., Hamilton.

GEALE, KITTIE (WLMX 3 Geale, K.M., W30439)
Wrens' Quarters, H.M.C.S. Stadacona, Halifax, N.S.

GIEL, CAROLINE
Port Colborne General Hospital, Port Colborne.

GIFFIN, R. HART
Oshawa Clinic, 117 King St. E., Oshawa.

GILDERS, CAROL
Ontario Hospital, Port Arthur.

GLEASON, MARIE M.
Medical Arts Buliding, Windsor.

GOGUEN, THERESA
Queensway General Hospital, Hollywood Sub P.O., Toronto.

GOLBY, HELEN E.
St. Mary's Memorial Hospital, St. Mary's.

GORDON, DOUGLAS H.
Toronto Western Hospital, Toronto.

GORE, ROY E.
St. Joseph's Hospital, Port Arthur.

GOSSELIN, PHYLLIS
St. Joseph's Hospital, Peterborough.

GRAHAM, ELIZABETH
R.R. No. 2, Oakwood, Ont.

GREEN, NORRINE
c/o Dr. K. P. Bonner, 200 St. Clair Ave. West, Toronto.

GREIG, WILLARD S.
Royal Victoria Hospital, Barrie.

GRIFFIN, BERNARD A.
St. Joseph's Hospital, North Bay.

GUNN, ANNE
St. Andrew's Hospital, Midland.

GUTHRIE, JOHN H.
R.R. No. 1, Kettleby, Ontario.

HALL, KENNETH E.
Ontario Cancer Foundation, Ottawa Civic Hospital, Ottawa.

HARRIS, ELIZABETH
New Mount Sinai Hospital, Toronto.

HAYDON, POLLY ANN
1633 Victoria Ave., Windsor.

HAYWARD, ANNE
Ontario Cancer Foundation, Hamilton General Hospital, Hamilton.

HENDERSON, MRS. DOROTHY A.
Muskoka Hospital, Gravenhurst.

HEROUX, MRS. ELIZABETH
Temiskaming Hospital, Temiskaming, P.Q.

HEWITT, GLORIA
Listowell Memorial Hospital, Listowell.

HIGGINSON, GORDON
c/o Dr. J. Sommers, 310 Bloor St. W., Toronto.

HILLIS, DOROTHY M.
Ontario Cancer Foundation, Ottawa Civic Hospital, Ottawa.

HORNEY, HARRY
400 Conmee St., Suite No. 5, Port Arthur.

HOVEY, MARGUERITE
Cornwall General Hospital, Cornwall.

HOWELL, PHYLLIS
Memorial Hospital, St. Thomas.

HUBBELL, JOANNE
Cobourg General Hospital, Cobourg.

HUGEL, MRS. IRENE
Kitchener-Waterloo Hospital, Kitchener.

HYSLOP, ELIZABETH E.
Guelph General Hospital, Guelph.

INGRAHAM, SHIRLEY
Ottawa Civic Hospital, Ottawa.

JACQUEMAI, DENYSE
Toronto General Hospital, Wellesley Division, Toronto.

JAMES, MRS. JUNE
59 Ridout St. S., Apt. 25A, London.

JAQUES, GEORGE
Grace Hospital, Windsor.

JOHNSTON, SADIE D.
215 St. Marie St., Collingwood.

JONES, ELEANOR S.
Civic Hospital, North Bay.

JONES, HARVEY L.
R.R. No. 5, Guelph.

KAWABE, MANNY
105 Crawford St., Toronto.

KAY, ROBERT H.
General Hospital, Woodstock.

KELLY, MRS. STELLA E.
231 Dufferin Ave., Trenton.

KENNEDY, MRS. BLANCHE
Hotel Dieu Hospital, Kingston.

KEOGH, LUCY
Queensway General Hospital, Toronto.

KING, A. ARTHUR
316 Queens Ave., London.

KINGSBURY, MARY
Belleville General Hospital, Belleville.

KISIEL, BRONISLAW
Ottawa Civic Hospital, Ottawa.

ONTARIO continued

KLAASSEN, MRS. RUTH
Apt. 101, 68 Arkledun Ave., Hamilton.
KNEIDER, JEANNNETTE
Toronto East General and Orthopedic Hospital, Toronto.
KNOWLES, ARLENE
Women's College Hospital, Toronto.
KRAVCHUK, MANIA
1735 Hickory Rd., Windsor.
LACOMBE, MADELEINE
58 Florence Rd., Ottawa.
LAVIN, MRS. CAROLYN
R.R. No. 7, Woodstock.
LAWLESS, NOREEN
North Bay Civic Hospital, North Bay.
LEMIEUX, FAYE GENEVIEVE
Ontario Cancer Foundation. Ottawa Civic Hospital, Ottawa.
LIDDIARD, BERNICE HELEN
Niagara Falls General Hospital, Niagara Falls.
LIDKIE, NORMAN EDWIN
Western Hospital, Toronto.
LOGAN, JOHN GORDON
Port Arthur General Hospital, Port Arthur.
LOGAN, LAURA
Great War Memorial Hospital, Perth.
LONG, MRS. GERALDINE
44A Mill St. N., Brampton.
LOPINSKI, MRS. ANNA
St. Catharines General Hospital, St. Catharines.
LOWTHIAN, JAMES
96 Clearbrooke Circle, Rexdale.
LUDWIG, SGT. LEONARD ARTHUR (No. 227170)
R.C.A.F. Station Hospital, Trenton.
LUKEY, VERNA L.
687 Rhodes Ave., Toronto 6.
MacADAM, CATHERINE
1330 King St. West, Toronto.
MacDOUGALL, FLORENCE
Stratford General Hospial, Stratford.
MacFARLANE, WINIFRED
Sarnia General Hcspital, Sarnia.
MacKENZIE, ANNIE D.
43 Woodlawn Ave. East, Toronto.
MACLEAN, JEAN L.
St. Catharines General Hospital, St. Catharines.
MacLELLAN, ANNIE
1330 King Street West, Toronto.
MADELY, PATRICIA
Apt. 109, 15 Bedford Park Ave., Toronto.
MANNICH, ILSE-REGINE
c/o Dr. K. P. Bonner, 200 St. Clair Ave. West, Toronto.
MARTIN, M. JANE
250 Main St. East, Hamilton.
MAXIM, MRS. JEANNETTE MARIE
1380 Aubin Rd., Windsor.
MAXWELL, JAMES
Sensenbrenner Hospital, Kapuskasing.
MAYER, F/S GEORGE
4 Jupiter Ave., Ottawa 2, Ontario.
MEAGHER, NANCY,
St. Michael's Hospital, Toronto.
MENAGH, HUGH J.
Hospital for Sick Children.
MENZIES, MARY B.
130 Waverley St., Ottawa.
MERLIN, JOAN M.
Toronto General Hospital, Wellesley Division, Toronto.
MILLAR, PATRICIA ANN
48 Garfield Ave., London.
MILLS, MRS. ELIZABETH
20 Grantbrok St., Willowdale.
MINORGAN, JAMES
Parry Sound General Hospital.
MITCHELL, SARAH
Peel Memorial Hospital, Brampton.
MONGEAU, LENA
Ottawa General Hospital, Ottawa.
MORDEN, MARILYN
McGregor Clinic, Hamilton.
MORGAN, CATHERINE
Oakville Trafalgar Memorial Hospital, Oakville.
MORRIS, MADGE
40 Kimbark Blvd., Toronto 12.
MORRISON, JOHN
45 Ardagh St., Toronto.
MORROW, NELDA
200 St. Clair Ave. West, Toronto.
MOSIONOZ, RHEA
Thunder Bay Cancer Clinic, Port Arthur.
MURRAY, MRS. PHYLLIS
21 Wellington North, Wodstock.
MUSGROVE, GLADYS MAE (L.A.W. Musgrove, G.M. 133457W)
No. 2 M.D., R.C.A.F. Station, St. John's, Quebec.
McCAW, ROBERT A.
c/o Dr. Borron, 372 Roncesvalles Ave., Toronto.
McCONEGHY, JOAN
Ottawa Civic Hospital, Ottawa.
McINTOSH, ARTHUR L.
Belleville General Hospital, Belleville.
McINTYRE, CLARICE
c/o Dr. A. McNabb, Medical Arts Bldg., Ottawa.
McKAY, MONA JEAN
Sarnia General Hospital, Sarnia.
McKEE, MARILYN
Kitchener-Waterloo Hospital, Kitchener.
McKENZIE, MRS. ENID
McKellar General Hospital, Fort William.
McLELLAN, MRS. ROSALIE
127 Pearson Ave., Toronto.
McNAIR, JOHN A.
Ongwanada Sanatorium, Kingston.
NEEMRE, MRS. LILLE
Sudbury and Algoma Sanatorium, Sudbury.
NEIL, F. JEAN
Ottawa Civic Hospital, Ottawa.
NOKES, MARION
Ontario Hospital, Kingston.
OLHEISER, STEWART A.
Beck Memorial Sanatorium, London.
OSBORNE, ADA
W.C.B. Convalescent Centre, Malton.
PALMER, MONICA
574 University Ave., Toronto.
PAQUETTE, EARL
Sudbury Memorial Hospital, Sudbury.
PATRY, THOMAS J.
c/o Dr. P. Hauch, 508 Waterloo St., London.
PEARSON, REGINALD
Ontario Hospital, Hamilton.
PEPPER, HAZEL CATHERINE
General Hospital, Port Arthur.
PERUN, HELEN A.
St. Joseph's Hospital, Sarnia, Ont.
PICKLE, MRS. JOAN
Sunnybrook Hospital, Toronto.
PICTON, STANLEY

ONTARIO continued

PIERCE, JOYCE
Carruthers Clinic, Sarnia.
PIKULIK, WALDEMAR
15 Cheston Rd., Toronto 7.
PLOWMAN, NANNETTE
Department of Radiotherapy, Toronto General Hospital, Toronto.
PLUCIS, ANNA
Sudbury General Hospital, Sudbury.
PRATT, RONALD
37 Fairfield Ave., Toronto.
PRIEST, MARILYN
Brantford General Hospital, Brantford.
PUREKEVICH, MRS. RENATA
District Memorial Hospital, Tillsonburg.
RAITHBY, SGT. WILLIAM JOHN
Whitehorse Military Camp, Camp Takhini, Whitehorse, Yukon.
RASIMUS, ANTHONY
Victoria Hospital, London.
REDMAN, MRS. RUTH
394 Brunswick Ave., Toronto 4.
REID, HARRY D.
24 Fairview Crescent, Trenton.
RICE, GRACE
Kirkland and District Hospital, Kirkland Lake.
RIESE, ANNEMARIE
c/o Dr. P. Hauch, 508 Waterloo St., London.
ROBERTS, GEORGE E.
Douglas Memorial Hospital, Fort Erie.
ROBERTSON, NIALL
158 8th Street, Iroquois Falls, Ont.
ROBINSON, MRS. GLADYS
20 Marianna Dr., Lambeth.
ROBLEY, SHIRLEY
c/o Drs. Singleton and Hall, 170 St. George St., Toronto.
ROBSON, MARGARET I.
Sunnybrok Hospital, Toronto.
RUSSELL, VAUGHAN P.
1352 Hunt Club Road, R.R. No. 1, Box 353, Ottawa.
SAGAN, JEANNE
Ottawa General Hospital, Ottawa.
SAGE, DAVID C.
1518 Hillsdale Ave., Niagara Falls.
SCHAVO, IRENE
St. Joseph's Hospital, London.
SCHULTZ, MRS. MECHILD VICKY
265 Edgemont Ave. South, Hamilton.
SCOONES, PATRICIA
St. Thomas-Elgin General Hospital, St. Thomas.
SCOTT, JAMES GREIG
348 Bell Street, Ottawa.
SCOTT, MELVIN
St. Mary's Hospital, Kitchener.
SERNASIE, JEAN MARIE
394 Morningstar Ave., Welland.
SEXSMITH, ANSLEY
Welland County Hospital, Welland.
SHARAWARA, ADAM
West Lincoln Memorial Hospital, Grimsby.
SHARPE, MRS. MILDRED M.
Peterborough Civic Hospital, Peterborough.
SHILLINGTON, NOREEN
Kitchener-Waterloo Hospital, Kitchener.
SINCLAIR, MRS. EUNICE
Grace Hospital, Windsor.
SKIDMORE, JOAN
St. Joseph's Hospital, London.
SMITH, OLIVE MAE
74 Johnson St., Kingston.
STANDING, HELEN
Guelph General Hospital, Guelph.
STANISZEWSKI, LOUIS
195 Quebec Ave., Toronto.
STECHYSHYN, ANTHONY
St. Catharines General Hospital, St. Catharines.
STEWART, LEONARD
Sunnybrook Hospital, Toronto.
STRECKER, SGT. VALERIE
R.C.A.F. Station, Trenton, Ontario.
STRIKAS, VICTOR
St. Joseph's Hospital, Hamilton.
TALOR, SHIRLEY D.
Public General Hospital, Chatham.
TERRYBERRY, MIRREE
Greater Niagara General Hospital, Niagara Falls.
THOMPSON, H. LESLIE
Sarnia General Hospital, Sarnia.
THORNER, RUTH
Sarnia General Hospital, Sarnia.
TILBE, EVELYN
226 McDonnel Street, Peterborough, Ont.
TOKAREK, GEORGE L.
770 Barton St. E., Hamilton.
TOMLINSON, JOANNE
c/o Dr. J. A. Boyd, 2547 Danforth Ave., Toronto.
VAIMEL, MAIA
Toronto Western Hospital, Toronto.
WAECHTER, RUTH
St. Thomas-Elgin Hospital, St. Thomas.
WAIT, FRANCES
250 Main St. E., Hamilton.
WALKER, MRS. MARION
Ontario Cancer Foundation, Hamilton General Hospital, Hamilton.
WALSOM, SIDNEY
Ontario Hospital, New Tornoto.
WATERS, MARY
Peterborough Civic Hospital, Peterborough.
WATT, MRS. BARBARA JEAN
Greater Niagara General Hospital, Niagara Falls.
WATT, MRS. SHIRLEY
c/o Dr. W. L. Harwood, 191 James St. S., Hamilton.
WEALE, J. FRANK
127 Fairholt Rd. S., Hamilton.
WHALEN, HELEN
Ottawa General Hospital, Ottawa.
WHATLEY, JAMES
77 Madeline St., Port Arthur.
WILKIE, S/SGT. RUSSEL G.
Toronto Military Hospital, Toronto.
WOOD, MARGARET EVELYN
Stevenson Memorial Hospital, Alliston.
WOODS, MRS. MARY
Peterborough Civic Hospital, Peterborough.
WRIGHT, JEAN
73 Mount Vernon St., Boston 8, Mass.
YOUNG, JANE C.
X-ray Department, Plant Hospital, Chalk River.
ZIFKIN, HARRY
Starkman Biological Laboratory, 461 Bloor St. West, Toronto 4.

ONTARIO continued

REVEREND SISTERS

SISTER ALEXIA DE JESUS
St. Mary's Hospital, Timmins.
SISTER ANGEL-DE-JESUS
General Hospital, Ottawa.
SISTER MARY ANTOINETTE
St. Joseph's Hospital, Chatham.
SISTER MARY ARTHUR
St. Joseph's Hospital, London.
SISTER M. BERNITA
St. Joseph's Hospital, Sarnia.
SISTER M. CARMELA, R.N.
Our Lady of Mercy Hospital, 100 Sunnyside Ave., Toronto 3.
SISTER M. CELINE
St. Joseph's Hospital, Brantford.
SISTER M. ELAINE STOCKDALE
St. Michael's Hospital, Toronto.
SISTER M. EUCHERIA (CLANCY)
St. Joseph's Hospital, Hamilton.
SISTER MARY HILARION
St. Vincent de Paul Hospital, Brockville.
SISTER ST. JEROME
Hotel-Dieu of St. Joseph, 1030 Ouellette Ave., Windsor.
SISTER JOSEPH DU REDEMPTEUR
General Hospital, Water St., Ottawa.
SISTER JULLETTE LANDRY
LaVerendrye Hospital, Fort Francis.
SISTER M. LEO
St. Mary's Hospital, Kitchener.
SISTER LORETTE DE L'ASSOMPTION
Hopital St. Louis de Marie Montford, Chemin de Montreal, Ottawa.
SISTER ELIZABETH MacPHERSON
Hotel Dieu Hospital, Kingston.
SISTER MADELEINE DU SACRE-COEUR
General Hospital, Mattawa.
SISTER MARIE-ALICE
General Hospital, Ottawa.
SISTER M. ANN PATRICE
St. Joseph's Hospital, London.
SISTER MARY PATRICK
St. Joseph's Hospital, Peterborough.
SISTER M. ROBERTA
St. Joseph's Hospital, Chatham.
SISTER MARY RODRIGUEZ
St. Vincent de Paul Hospital, Brockville.
SISTER MARY RUTH
St. Joseph's Hospital, Guelph.
SISTER ST. JEAN VIANNEY
Hopital Notre-Dame, Hawkesbury.
SISTER MARY VINCENTIA
St. Mary's of the Lake Hospital, Kingston.

REGISTERED THERAPY TECHNICIANS

BRIGSTOCKE, S. DOROTHY
Department of Radiotherapy, Toronto General Hospital, Toronto.
CLARKSON, MARGUERITE
Department of Radiotherapy, Toronto General Hospital, Toronto.
DAWSON, MRS. LYNA
Departmnt of Radiotherapy, Dunlap Bldg., Toronto General Hospital, Toronto.
HUGGINS, JANE
Department of Radiotherapy, Toronto General Hospital, Toronto.
LISCUMB, MRS. C. ELEANOR
Ontario Cancer Foundation, London.
MacKAY, MRS. MARGARET NANCY
Apt. 14, 464 Somerhill Ave. N., Rosedale, Toronto 5.
MacPHERSON, MRS. RITA
Ontario Cancer Foundation, 1995 Lens Ave., Windsor, Ontario.
MARSHALL, MURIEL ELAINE
Ontario Cancer Foundation, London.
MARTYN, DORIS A. E.
272 Bloor Street W., Toronto.
SNOW, MRS. ALVIRA
Ontario Cancer Foundation, Windsor Clinic, 1995 Lens Ave., Windsor.
STEPANIUK, NELLIE
Department of Radiotherapy, Dunlap Bldg., Toronto General Hospital, Toronto.
TURNER, MRS. ROSE MARIE
1687 Wyandotte St. E., Windsor, Ontario.

NON-ACTIVE MEMBERS

ADAMS, MRS. RACHEL MAY
40 Belgravia Ave., Toronto 10.
ALANG, DODY
Massachussets General Hospital, White Bldg. X-Ray Dept., Boston, Mass., U.S.A.
AMEY, ELSIE
Apt. 15, 229 Vaughan Rd., Toronto.
BAKER, RAYMOND G.
Atomic Energy Division, Canadian Westinghouse Co., Ltd., c/o Department of Mines and Technical Surveys, 568 Booth St., Ottawa.
BISHOP, EDWARD J.
44 Longview Dr., Toronto 15.
BISHOP, MRS. MARY
181 Princess St. W., North Bay.
BUTLER, MRS. LILLIAN
Grand Bend, Ontario.
CARNIATO, JOSEPHINE
242 Empire St., Fort William.
CHRISTOPHER, MRS. DIANE
359 Lytton Blvd., Toronto 12.
CINCIO, MRS. LUDWINE
56 Lowell Ave., St. Catharines.
CONNOR, MRS. FERN
154 Brant St. E., Orillia.
COOGAN, RHONDA
34 Woodside Crescent, Toorak, Melbourne, Victoria, Australia.
DOBENKO, MRS. MARGARET
357 Supple St., Pembroke.
FERGUSON, JUANITA
408 Albert St., Apt. 14, Ottawa.
FITZGERALD, MRS. ERNITA
130 Royal York Rd. S., Toronto 18.
GOLD, MRS. GWENDOLYN
811 Garth St. S.S. No. 1, Hamilton.
HAMILTON, J. GLEN
25 Pharand St., Hull, P.Q.
HEWSON, ANN
Thornbury, Ont.
JAMES, MRS. E. GERMAINE
U5 Kingscourt Apt., Ajax.
KENNEDY, MRS. M. DIANA
410 Lumsden Ave., Toronto.

ONTARIO continued

KING, MISS KATHARINE H.
353 King St., Midland.

KOWAL, MRS. CHRISTINE
39 Sunnyside Ave., Toronto.

KOWAL, FRANK
39 Sunnyside Ave., Toronto.

LANGSTAFF, OPHELIA
786 4th Ave. East, Owen Sound.

LEPP, MRS. EVA
28 Tecumseh St., St. Catharines.

LIBERTY, MRS. LILLIAN
1139 Normandy Crescent, Ottawa.

LITTLE, MRS. MARION
73 Moncrieff Dr., Rexdale.

MARONETS, JOHN
674 Tennent Ave., S.S. No. 3, London.

MATIC, CHARLOTTE
Beck Memorial Sanatorium, London. (Address to be changed to U.S.A.)

MAYER, MRS. SARI
287 Frontenac St., Kingston.

McGLASHAM, MRS. JEAN
570 Byron Ave., Ottawa.

MOORE, JOHN
"Moorecroft", R.R. No. 1, Agincourt.

PARTRIDGE, MRS. BARBARA
R.R. No. 1, Burlington.

POWELL, MRS. JOAN
62 Angeline St. S., Lindsay.

REISE, REINHOLD
508 Waterloo St., London.

ROBINSON, MRS. ZORRA
3995 Bloor St. W., Islington, Toronto 18.

SCHADT, MRS. INGEBORG
35 Taunton Road, Toronto.

STOUTH, MRS. NORMA
119 Hampton Ave., Port oClborne.

TAYLOR, MRS. EDITH
Port Stanley.

WAGAR, MRS. MARJORIE
R.R. No. 3, Prescott.

SISTER FRANCOISE-ALINE
Ottawa General Hospital, Ottawa.

SISTER M. CLOTILDE
St. Mary's Hospital, Kitchener.

SISTER MARY DAMION
Hotel Dieu Hospital, Cornwall.

SISTER MARY EILEEN
St. Mary's Hospital, Kitchener.

SISTER ST. STEPHEN
Mount St. Joseph, Peterborough.

SISTER M. VICTOR
St. Joseph's Hospital, Hamilton.

ASSOCIATE MEMBERS

FLANAGAN, JOHN S.
69 Invermay Ave., Downsview.

McBRIDE, G. BURTON
Box 18, Mount Hope.

McCLEARY, ROSS
W. E. Booth Co. Ltd., 12 Mercer St., Toronto 2B.

ROBINSON, RICHARD
48 Checkendon Drive, Rexdale, Toronto.

ROSS, GEORGE
Dupont of Canada Ltd., 85 Eglinton Ave. E., Toronto.

DAVIDSON, RALPH J.
General Electric X-Ray Corp., 5525 Western Ave., Toronto.

PROVINCE OF QUEBEC SOCIETY X-RAY TECHNICIANS

REGISTERED MEMBERS

AUDET, JEAN
Sanatorium St. Georges, Mont-Joli, P.Q.

BANVILLE, GABRIELLE
3800 Cote Ste. Catherine Rd., Montreal, P.Q.

BELANGER, CLAIRE
2460 Bvd. Pie. IX, Apt. 2, Montreal, P.Q.

BENOIT, LORRAINE
Sanatorium St. Jean, Macamic, P.Q.

BERNARD, THERESE
432 King St. West, Sherbrooke, P.Q.

BHERER, THERESE
Hopital de Hydro-Quebec, Co. Saguenay, P.Q.

BLAIN, THERESE
Clinique du Thorax, Hop. Hotel Dieu, St. Urbain St., Montreal, P.Q.

BLAIS, VIANNEY
Hopital St. Michel Archange, Mastai, P.Q.

BOA, EDWINA
Medical Dept., Northern Electric Co., Shearer St., Montreal, P.Q.

BOUCHARD, FRANCOIS
Sanatorium Ross, Gaspe, P.Q.

BREWER, JOHN
2015 Northcliffe Ave., Apt. 6, Montreal, P.Q.

BRODIE, JOHN
11466 London Ave., Montreal North, P.Q.

BRYDEN, SGT. P. C.
Queen Mary Veterans' Hospital, Queen Mary Rd., Montreal, P.Q.

BRYSON, JANET
495 Prince Arthur West, Apt. 5, Montreal, P.Q.

CAHOON, COLLEEN
4700 Westmount Bvd., Montreal, P.Q.

CAMPBELL, DONALDA
5055 Cote St. Luc Rd., Apt. 37, Montreal, P.Q.

CHAURETTE, MARIE
195 Sauriol West, Montreal, P.Q.

CHEFFINS, ALBERT
Queen Mary Veterans' Hospital, Queen Mary Rd., Montreal, P.Q.

CHRETIEN, EGIDE
St. Joseph Sanatorium, 5689 Rosemount Bvd., Montreal, P.Q.

COTE, JACQUELINE
3547 Hutchinson St., Apt. 2, Montreal, P.Q.

COUILLARD, MONIQUE
6436 1st Ave., Rosemount, Montreal, P.Q.

DE GRANDPRE, GEORGES
Hopital St. Charles, St. Hyacinthe, P.Q.

DESJEAN, MONIQUE
43 McLaren, Valleyfield, P.Q.

DE TORREGROSA, MRS. JACQUELINE
Hopital Hotel Dieu, St. Jerome, P.Q.

DROLET, THERESE
2582 Leclaire, Montreal, P.Q.
DUCHARME, ROSE
3215 Appleton Ave., Apt. 3, Montreal, P.Q.
DUFRESNE, MISS ROLANDE
3484 Laval, Montreal, P.Q.
DUROCHER, CLAIRE
Hopital St. Charles, St. Hyacinthe, P.Q.
EGGLETON, SUZANNE
1390 Sherbrooke St. West, Apt. 9, Montreal, P.Q.
ERVIN, EDNA MAY
Royal Victoria Hospital, Pine Ave. West, Montreal, P.Q.
FENWICK, JOAN
Main X-Ray, Royal Victoria Hospital, Montreal, P.Q.
FIEGEHEN, PATRICIA
P.O. Box 84, Preville, Montreal 23, P.Q.
FISK, DONALD
Queen Mary Veterans' Hospital, Queen Mary Road, Montreal, P.Q.
FOSTER, GEORGE
2100 Claremont Ave., Apt. 38, Montreal, P.Q.
FRASER, NORAH
Main X-Ray, Royal Victoria Hospital, Montreal, P.Q.
FREEMAN, LENA
Queen Mary Veterans' Hospital, Queen Mary Road, Montreal, P.Q.
GAGNE, MICHELINE
Hopital St. Luke, 1058 St. Louis St., Montreal, P.Q.
GAGNE, SIMONE
Hotel Dieu St. Vallier, Chicoutimi, P.Q.
GAGNON, ANITA
Ministere de la Sante, 1570 St. Hubert St., Montreal.
GIBAULT, MRS. BEATRICE
2180 Van Horne Ave., Apt. 17, Montreal, P.Q.
GREENFIELD, GORDON
Queen Elizabeth Hospital, Marlowe Ave., Montreal, P.Q.
GUAY, DENISE
720 11th rue, Limoilou, P.Q.
GUENETTE, CLAIRE
116 Cote du Passage, Levis, P.Q.
HACHE, THERESE
Hopital St. Jean d'Iberville, P.Q.
HINDLE, ROBERT
3471 Hingston Ave., Montreal 28, P.Q.
JARVIS, MRS. DOROTHY
3420 Hingston Ave., Apt. 36, Montreal 28, P.Q.
JETTE, PIERRE
1463 Desjardins, Montreal, P.Q.
JOBIN, ADRIEN
Hotel Dieu de Quebec, Quebec, P.Q.
JOYAL, FLORE
1635 Morgan Bvd., Apt. 3, Montreal, P.Q.
JUTRAS, MISS ANDREE
777 Bvd. Labelle, L'a Bourde a Plouffe, P.Q.
LACOURSE, BIBIANNE
3557 Joliette, Montreal, P.Q.
LATRIELLE, MADELEINE
2275 Laurier East, Montreal, P.Q.
LECLERC, CECILE
Hotel Dieu d'Amos, Abitibi, P.Q.
LACLERC, COLETTE
540 des Lilas East, Quebec, P.Q.
LeGALLAIS-PAYN, MRS. GRACE
5180 Queen Mary Rd., Apt. 11, Montreal, P.Q.
LEVESQUE, SUZANNE
4724 Fabre, Montreal, P.Q.
LORD, YVONNE
3445 Gascon, Apt. 15, Montreal, P.Q.
MAGNAN, MADELEINE
12285 Depatie, Montreal 9, P.Q.
MAHON, ELSIE
4684 Ste. Catherine East, Apt. 1, Montreal, P.Q.
MARCHAND, BERNARD
1590 Pilon St., St. Martin, P.Q.
MEADUS, HENRY
P.O. Box 447, St. Agathe des Monts, P.Q.
MORIN, CLORIANNE
Dept. of Radiotherapy, Hopital Notre Dame, Montreal, P.Q.
MORRISSETTE, EDITH
Hopital Ste. Croix, Drummondville, P.Q.
MUSGROVE, MRS. VERNA
3797 Decarie Bvd., Apt. 17, Montreal, P.Q.
NANTEL, LUCIEN
310 Davy St., Arvida, P.Q.
NEILL, MABEL
994 4th Ave., Verdun, P.Q.
O'HAGAN, ROSEMARY
Montreal General Hospital, Cedar Ave., Montreal, P.Q.
PAQUETTE, LUCILLE
2835 Douglas, Town of Mt. Royal, Montreal, P.Q.
PAQUIN, ALICE
3657 St. Famille, Apt. 71, Montreal, P.Q.
PARMENTIER, SUZANNE
c/o Dr. Belisle, 522 Sherbrooke St. East, Montreal, P.Q.
PAVLIN, JOSEPH
Hopital Ste. Jeanne D'Arc, 3570 St. Urban St., Montreal, P.Q.
PERRY, GERMAINE
Gaspe Copper Mines, Murdochville, P.Q.
PICARD, CAMIL
Hopital St. Luc, 1058 St. Denis St., Montreal, P.Q.
PICARD, LISE
6593 Drolet St., Montreal, P.Q.
POITRAS, FR. MACAIRE
Hopital Notre Dame de la Marci, 47 Gouin Bvd. West, Montreal, P.Q.
POTHIER, GERMAINE
235 St. Maurice, Trois-Rivieres, P.Q.
POWELL, GRACE
Nurses' Home, Jeffrey Hales Hospital, Quebec, P.Q.
PROVENCHER, GASTON
735 St. Leon, Shawinigan Falls, P.Q.
PROVOST, LOUISE
3922 Bvd. LaSalle, Verdun, P.Q.
RINGUET, GHISLAINE
Hopital Notre Dame, Sherbrooke St. East, Montreal, P.Q.
ROCHELEAU, MR. JEAN
811 Notre Dame, Cap de Madeleine, P.Q.
ROWLANDS, CATHERINE
18 Jasper Ave., Town of Mt. Royal, Montreal, P.Q.
ROY, IRENE
2680 Rachel St. East, Montreal, P.Q.
ROY, JEAN-MARIE
2680 Rachel St. East, Montreal, P.Q.
SIMONEAU, SUZANNE
530 King St. East, Sherbrooke, P.Q.
SIMKINS, HENRY, Royal Victoria Hospital, Montreal, P.Q. (Life Member).
SMITH, MARION A.
P.O. Box 790, Asbestos, P.Q.
STAFFORD, MARGARET
6012 Park Ave., Montreal, P.Q.
ST. PIERRE, JEANNE D'ARC
230 Ouest Fleury, Montreal, P.Q.

QUEBEC continued

SUTULOV, MRS. HEDY
4590 Ridgevale, Montreal, P.Q.

SZEKULA, PIERRE
7745 Sherbrooke St. East, Montreal, P.Q.

THERRIAULT, PIERRETTE
5572 Cote de Neiges, Apt. 5, Montreal, P.Q.

THERRIEN, MADELEINE
6983 Cartier St., Montreal, P.Q.

TREMBLAY, LORENZO
Sanatorium St. Georges, Mont-Joli, P.Q.

TREMBLAY, SUZANNE
3250 Sherbrooke St. East, Apt. 1, Montreal, P.Q.

TRUDEAU, JEANNETTE
Sanatorium Cooke, Trois-Rivieres, P.Q.

TURCOTTE, GEORGETTE
4841 Parthenais, Montreal, P.Q.

VIOLETTE, GERMAINE
3657 Ste. Famille, Apt. 71, Montreal, P.Q.

WILKINSON, GEORGE A.
6659 Sherbrooke St. West, Apt. 2, Montreal, P.Q.

REVEREND SISTERS

SISTER ADELE DE LA PURIFICATION
Hopital St. Jean de Breboef, Sturgean Falls, Ont.

SISTER ADRIEN DE LA PROVIDENCE
Hopital du Sacre Coeur, 222 Ave. Laurier, Hull, P.Q.

SISTER ALICE FOURNIER
Hopital Ste Croix, Drummondville, P.Q.

SISTER ALINE DE JESUS
Hopital Ste. Jeanne D'Arc, St. Urbain St., Montreal, P.Q.

SISTER ALINE JUTRAS
Hopital St. Joseph, La Tuque, P.Q.

SISTER CARRIER
Hopital Hotel Dieu, St. Urban St., Montreal, P.Q.

SISTER CECILE DES ANGES
Hopital St. Sauveur, Val D'or, Abitibi, P.Q.

SISTER CLARISSE MERCIER
Hopital St. Vincent de Paul, Sherbrooke, P.Q.

SISTER CLAUDE ANTOINE
Hopital St. Francois D'Assise, Quebec, P.Q.

SISTER ELIZABETH DE LA TRINITIE
Hopital St. Michel Archange, Mastai, P.Q.

SISTER ESTELLE DELISLE
Hotel Dieu de Hauterive, Co. Saguenay, P.Q.

SISTER EUGENE DE MAZENOD
Hopital du Sacre Coeur, Gouin Bvd. West, Montreal, P.Q.

SISTER IRENE GAUVREAU
Hotel Dieu de Sorel, Sorel, P.Q.

SISTER JEAN CONRAD
Hopital St. Jean de Dieu, Gamelin, Co. Laval, P.Q.

SISTER JEAN DE LA CROIX
Hopital de l'Enfant Jesus, Quebec, P.Q.

SISTER JEAN PHILLIPE
Hopital St. Joseph, Trois-Rivieres, P.Q.

SISTER JEANNE DE L'IMMACULEE
Hopital St. Justine, St. Denis St., Montreal, P.Q.

SISTER JEANNE LAURA
Hopital St. Eusebe, Joliette, P.Q.

SISTER JUDITH MARIE
Hopital St. Justine, St. Denis St., Montreal, P.Q.

SISTER MAGDALENA
Hopital Mont Providence, 7200 Gouin Bvd. East, Montreal, P.Q.

SISTER MARGUERITE SAUVE
Hopital Maissoneuve, Bvd. L'Assomption, Montreal, P.Q.

SISTER MARIE ALEXANDRE
Hopital St. Redempteur, Case Postale 1390, Matane, P.Q.

SISTER MARIE ANDRONIC
Sanatorium Begin, Co. Dorchester, P.Q.

SISTER MARIE-ANNE DE JESUS
Hopital St. Anne, Baie St. Paul, P.Q.

SISTER MARIE DE BETHANIE
Hopital de L'Enfant Jesus, 18th Avenue, Quebec, P.Q.

SISTER MARIE DE LA MERCI
Hopital Laval, 2725 Chemin Ste. Foy, Quebec, P.Q.

SISTER MARIE DE LA STE. FAMILLE
Hopital St. Joseph, Lachine, P.Q.

SISTER MARIE DOLORSA
Hopital St. Francois, La Sarre, Abitibi, P.Q.

SISTER MARIE DU DIVIN COEUR
Hopital Hotel Dieu, Arthabaska, P.Q.

SISTER MARIE DU SACRE COEUR
Hopital Notre Dame de l'Esperance, Ville St. Laurent, P.Q.

SISTER MARIE GERMAINE
Hopital Hotel Dieu, Valleyfield, P.Q.

SISTER MARIE ILDEPHONSE
Hopital Notre Dame, Hearst, Ont.

SISTER MARIE LAURENTIA
Hopital Comtois, Louiseville, P.Q.

SISTER MARIE MEDIATRICE
Hopital Hotel Dieu, Levis, P.Q.

SISTER MARIE PATRICIA
Hopital Lafleche, Grand'Mere, P.Q.

SISTER MAURICE ALPHONSE
Hopital Hotel Dieu, 158 Bowen South, Sherbrooke, P.Q.

SISTER MICHEL DES SAINTS
Verdun General Hospital, Verdun, P.Q.

SISTER MONIQUE DE ROME
Hopital Providence, Chandler, P.Q.

SISTER ST. ALBERT
Hopital St. Francois D'Assise, Quebec, P.Q.

SISTER STE. BERENICE
Hopital de la Misericorde, 890 Dorchester St., Montreal, P.Q.

SISTER ST. BERNARD DU ROSAIRE
Hopital St. Julien, St. Ferdinand, P.Q.

SISTER ST. BERNADIN DE SIENNE
Hotel Dieu St. Vallier, Chicoutimi, P.Q.

SISTER STE. BLANDINE
Hopital de la Providence, Magog, P.Q.

SISTER ST. BRUNO
Hopital St. Joseph, 69 rue St. Marie, Rimouski, P.Q.

SISTER STE. CATHERINE
Hopital St. Charles, St. Hyacinthe, P.Q.

SISTER ST. CHARLES-GARNIER
Hotel Dieu de Quebec, Quebec, P.Q.

SISTER ST. CYPRIEN
Foyer St. Mathieu, 1185 St. Mathieu, Montreal, P.Q.

SISTER ST. DOMINIQUE
Hotel Dieu St. Michel, Roberval, P.Q.

SISTER ST. DONAT-JOSEPH
Hopital Sacre Coeur, Plessisville, P.Q.

SISTER ST. FRANCOIS DU CRUCIFIX
Hopital du St. Sacrement, Chemni Ste. Foy, Quebec, P.Q.

SISTER STE. IRMA
Hopital Ste. Famille, Ville-Marie, P.Q.

SISTER ST. JEAN
Hopital Hotel Dieu, St. Jerome, P.Q.

QUEBEC continued

SISTER ST. JOSEPH
Hotel Dieu Notre Dame de L'Assomption, Jonquiere, P.Q.
SISTER ST. JOSEPH
Hopital du Sacre Coeur, Quebec, P.Q.
SISTER ST. LEONARD
Sanatorium St. Joseph, 5689 Rosemount Bvd., Montreal, P.Q.
SISTER ST. LEONARD DE PORT MAURICE
Hopital St. Joseph, Granby, P.Q.
SISTER ST. LOUIS DE FRANCE
Hotel Dieu N.D. de Beauce, St. Georges de Beauce, P.Q.
SISTER STE. MARIE THERESE
Hopital St. Sacrement, 1050 Chemin Ste. Foy, Quebec, P.Q.
SISTER STE. MONIQUE
Hotel Dieu de Quebec, Quebec, P.Q.
SISTER STE. THERESE DU SACRE COEUR
Hotel Dieu du Sacre Coeur, Dolbeau, P.Q.
SISTER STELLA MARIE
Mont. Ste. Anne, 1950 Provost, Lachine, P.Q.
SISTER THERESE DE LA PROVIDENCE
Hopital Chinois, 112 Lagauchetiere, Montreal, P.Q.
SISTER THERESE LEA
Hopital St. Joseph du Precieux Sang, Rivieres de Loup, P.Q.
SISTER VERONICA MARIE
Hopital St. Joseph, Dalhousie, N.B.

NON-ACTIVE MEMBERS

AYMONG, GENEVIEVE
Hopital de l'Immigration, 300 Bvd. Hamel, Quebec, P.Q.
BONIN, MRS. SUZANNE
C.P. 147, Rock Island, P.Q.
CAMPAGNA, ROSE
3445 Papineau, Apt. 19, Montreal 24, P.Q.
FONTAINE, MRS. YOLANDE
663 Argyle St., Apt. 3, Sherbrooke, P.Q.
HALLIWELL, MRS. ANN
218 Redfern, Apt. 10, Montreal, P.Q.
HENAULT, MRS. LORRAINE
c/o Simard et Freres, Forestville, P.Q.
IWANKOWSKI, MRS. THERESE
602 Brien, Val Martin, Co. Laval, P.Q.
LASNIER, RACHEL
3472 Fullum St., Montreal, P.Q.
GRUFFY, MRS. LOUISE
715 du Cardinal, St. Martin, P.Q.
OSTAPOVITCH, MRS. NELLIE
3425 Ridgewood, Apt. 301, Montreal, P.Q.
PIGEON, JEANNE
Hotel La Sapiniere, Val David, P.Q
RENAUD, DENYSE
914 Casot, Quebec, P.Q.
ROWELL, NINA
1469 Thurlow Rd., Victoria, B.C
SHEPLEY, JOHN
6662 14th Ave., Montreal 36, P.Q.
SIGHTS, MRS. JEAN
3660 Hutchinson, Apt. 5, Montretal, P.Q.
THORNHILL, MRS. CAROLE
1217 Graham Bvd., Apt. 8, Montreal 16, P.Q.
WELLS, MRS. ELAINE
4867A Carlton Ave., Montreal 26, P.Q.
WHEELER, MARION,
2021 Marlowe Ave., Apt. 7, Mnotreal, P.Q.
WHITNEY, MRS. JOAN
333 School Ave., Geneva, Ill., U.S.A.
YELLE, MADELEINE
2920 Sherbrooke East, Montreal, P.Q.
YERGEAU, MARIE JEANNE
1595 Montcalm, Montreal, P.Q.

REVEREND SISTERS

SISTER ADELE LEBLANC
Hopital St. Joseph, La Tuque, P.Q.
SISTER HELENE MARGUERITE
Hopital St. Joseph, Trois Rivieres, P.Q.
SISTER MADELEINE DESFOSSES
Hopital Hotel Dieu, St. Jerome, P.Q.
SISTER MARIE FLORE-GAUVIN
Hopital Hotel Dieu, St. Hyacinthe, P.Q.
SISTER MARIE SOLANGE
Sanatorium Cooke, Trois Rivieres, P.Q.
SISTER MARIE SALOME
Hopital du Sacre Coeur, 222 Laurier St., Hull, P.Q.
SISTER OMER MARCEL
Lewis Memorial Mat. Hospital, Michigan Ave. S., Chicago, U.S.A.
SISTER PIERRE DE GALILEE
2900 Chemin Ste. Catherine, Montreal 29, P.Q.
SISTER STE. MARIE IRENA
Hopital Laval, Chemin Ste. Foy, Quebec, P.Q.
SISTER THERESE CARDIN
Hopital Ste. Croix, Drummondville, P.Q.

ASSOCIATE MEMBERS

BERTY, PAUL
773 Champagneur St., Montreal, P.Q.
GRANGER, ROY
119 Sundale Ave., Pointe Claire, P.Q.
LEWIS, H. H.
Universal X-Ray of Canada Ltd., 5531 Western Ave., Montreal, P.Q.

SASKATCHEWAN DIVISION

REGISTERED MEMBERS

LIFE MEMBERSHIP

HUNT, P. E.
2058 McTavish Street, Regina.

ORDINARY MEMBERSHIPS

ABBS, MRS. AUDREY
Box 624, Tisdale.
ALLDRED, MAY
208 Avenue N. South, Saskatoon.
ATTRIDGE, WM.
City Hospital, Saskatoon.
BAILEY, EDWIN R.
Grey Nuns' Hospital, Regina.
BENKO, MRS. YVONNE
Manitou Beach, Sask.
BERQUIST GLADYS
Victoria Hospital, Prince Albert.
BETTS, HUGH ROSS
1017 Taylor, Saskatoon.
BUCHANAN, H. T.
Union Hospital, Kindersley.
CHILLIAK, MABEL
414 Main Street E., Saskatoon.
CHRISTOPHER, MRS. VERNA
General Hospital, Regina.
CHURCH, LOUISE
Notre Dame Hospital, N. Battleford.
CONNELL, JAMES P.
Medical Arts Clinic, Regina.
CORNELIUS, ANNE MARIE
Langenberg, Sask.
COWAN, LOREEN E.
Union Hospital, Assiniboia.
DAWDY, MISS MARGARET
Union Hospital, Moose Jaw.
DERRICK, GEORGE
St. Paul's Hospital, Saskaton.
DZINGELOWSKI, ROSE
Grey Nuns' Hospital, Regina.
ERNST, DELMAR
Box 161, Watrous.
FORER, RITA
Union Hospital, Moose Jaw.
FARNDEN, MRS. A.
Providence Hospital, Moose Jaw.
GEORGE, CONSTANCE
309-11th Street E., Saskatoon.
HANOSKI, NORMAN
805 Grey Avenue, Mose Jaw.
HEATON, HENRY
Box 862, Shaunavon.
HELEM, HAZEL L.
Sanatorium, Saskatoon.
HEPTING, MRS. GERTRUDE A.
Medical Arts Clinic, Regina.
HETTERLEY, GLADYS J.
Grey Nuns' Hospital, Regina.
HILDEBRAND, WILFRED
University Hospital, Saskatoon.
JOHNSON, CHARLES B.
University Hospital, Saskatoon.
KRUPKA, ERNEST M. "
Union Hospital, Swift Current.
LANGEVIN, MRS. ELIZABETH
Union Hospital, Delisle.
LANNAN, ELLEN
645 University Drive, Saskatoon.
LEATHERDALE, JOHN
Sanatorium, Saskatoon.
LOWE, A. GLEN
General Hospital, Regina.
MADDIA, JOHN
Fort San, Sask.
MALONEY, PATRICK
University Hospital, Saskatoon.
MERRILL, AURENE B.
Union Hospital, Swift Current.
MIRWALD, R.
General Hospital, Regina.
MULLEN, MRS. JEAN
Grey Nuns' Hospital, Regina.
MACDONELL, MARGARET A.
1066 Spadina Cres., Saskatoon.
MACDOUGALL, GERTRUDE
General Hospital, Swift Current.
NEWELL, K. J.
3020 McCallum Avenue, Regina.
NISBIT, ALLAN
Box 15, Shaunavon.
NORCROSS, MAXINE
Union Hospital, Moosomin.
NORMAN, JOHN E.
Fort San, Sask.
PAWLIUK, ZENON
730-3rd Avenue N., Saskatoon.
PEEL, MARGARET
University Hospiatl, Saskatoon.
PERRON, MARIE G.
421-21st Street E., Saskatoon.
PETERSON, LOLA
Marlborough Apts., 2229 Smith St., Regina.
PETERSON, MONA
Marlborough Apts., 2229 Smith St., Regina.
POTTS, MRS. M.
Amazon, Sask.
PULSFORD, G. F.
Indian Hospital, North Battleford.
PURDY, M. M.
317 Birks Bldg., Saskatoon.
REISS, ANGELA
Medical Arts Clinic, Regina.
RIVNEY, SGT. THEODORE
Sergeants' Mess, M.P.O. 503, Grand Center, Alta.
ROWE, HAROLD
St. Peter's Hospital, Melville.
SILVERSIDES, DAVID L.
General Hospital, Regina.
SIM, MARIE
St. Therese Hospital, Tisdale.
SOKOLOFSKY, DON
City Hospital, Saskatoon.
STASIUK, HELEN
Holy Family Hospital, Prince Albert.
SUDERMAN, HELENE
1101 Broadway Avenue, Regina.
SWERHONE, W.
Union Hospital, Canora.
THOMS, CELESTINE
General Hospital, Yorkton.

TKACK, ANNE
102 Medical Bldg., Prince Albert.
UCHMAN, PHYLLIS
St. Paul's Hospital, Saskatoon.
WALLIN, WM. M.
Union Hospital, Wadena.
WEBB, MRS. R. E.
332-21st Street West, Prince Albert.
WEIR, WILLIAM G.
801 Coteau W., Moose Jaw.
WILDE, VERNON B.
Union Hospital, Maple Creek.
WONSIAK, A. W.
Union Hospital, Wakaw.
WOYTUIK, MICHAEL D.
Sanatorium, Prince Albert.
WRIGHT, VERNON O.
Victoria Hospital, Prince Albert.
WYLIE, E. C.
City Hospital, Saskatoon.

REVEREND SISTERS

SISTER L. BLAIS
St. Margaret's Hospital, Biggar.
SISTER M. CHRYSOSTOM
St. Peter's Hospital, Melville.
SISTER M. CHRISTELLA
Holy Family Hospital, Prince Albert.
SISTER M. FRANCESA
Grey Nuns' Hospital, Nurses' Residence, Regina.
SISTER ST. GABRIEL
St. Anthony's Hospital, Esterhazy.
SISTER MARCELLA HAAG
St. Jcseph's Hospital, Macklin.
SISTER DOLORES HAUK
St. Elizabeth Hospital, Humboldt.
SISTER HELEN JOSEPH
St. Michael's Hospital, Broadview.
SISTER M. A. HOPCRAFT
Grey Nuns' Hospital, Regina.
SISTER M. IMELDA
Radville Community Hospital, Radville.
SISTER FLORIANNA KOHLMAN
St. Elizabeth Hospital, Humboldt.
SISTER THERESE MARIE
Notre Dame Hospital, N. Battleford.
SISTER ST. THOMAS
St. Joseph's General Hospital, Estevan.
SISTER FLORE VERRIER
St. Therese Hospital, Tisdale.

NON-ACTIVE MEMBERS

SISTER ANNE ANTOINETTE
Notre Dame Hospital, N. Battleford.
SISTER M. LaFORCE
St. Paul's Hospital, Saskatoon.
BRITTON, MRS. GENEVIEVE
1601 Avenue C. North, Saskatoon.
DICKEY, MR. H. W.
206-6th Avenue, Yorkton.
KANIGAN, MRS. EDNA
111 Electric Bldg., Prince Albert.
LUNDMARK, MRS. DORIS
1212 Avenue J. South, Saskatoon.
NORQUAY, F/O H.L.
Officers' Mess, R.C.A.F. Station, Trenton, Ontario.
RUBLACK, MRS. KATHELEEN
3619 Hill Avenue, Regina.
THOMPSON, MRS. VICKIE
832-111th Street, North Battleford.

The Canadian Society of Radiological Technicians

was incorporated under the laws of the Dominion of Canada in 1943.

Included in the objects as laid down in the Constitution are the following:

To promote and encourage the science and art of Radiological Technique and to consider and discuss all subjects affecting it.

To promote the formation of, to assist, to guide, to encourage and to form a central association for local associations of Radiological Technicians throughout Canada.

To facilitate the exchange of information and ideas on matters affecting the science and practice of radiological technique and allied subjects.

A standard examination for membership in the Canadian Society of Radiological Technicians is set by the Dominion Examining Board, held under the direction of the various member societies. Having passed this examination, a member shall be entitled to known as a "Registered Technician" (R.T.).

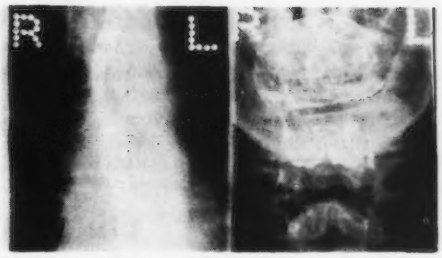
CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS

SCIENTIA ET MORES

perhaps don't immediately appreciate that they are the most important orientation labels of all. They are so fundamental that one might suspect any comment in this connection to be entirely superfluous. Nevertheless at the risk of redundancy I would like to emphasize a couple of points which have emerged from our interest in orientation labels in general. First of all, it has probably become obvious that here you have a method of making R. and L. markers yourself when you suddenly find that your regular supply has become exhausted through repeated losses at the laundry. The larger size B.B. shot, e.g., No. 2 or 3, is best for this purpose if burning out is to be avoided on films requiring high energy such as skulls.

Then there is the problem of orientation of the left and right sides of the patient on oblique views of the chest and spine. Considerable confusion exists because no uniform method is used in all laboratories. All doubt can be eliminated if both the right and left sides are marked on such films. Better still are the uses of the labels such as "Rt. Anterior Oblique," etc.

A little tip that is useful as an aid to neatness might be mentioned here. This pertains to the marking of spot films of the oesophagus or a myelogram. If the radiologist makes the spot films on the adjacent halves of an 8 x 10 film, he will



find it helpful to have R and L markers near the ends of a 4" non-opaque strip. When this is attached across the mid line to the back of the fluoroscopic screen he can accurately adjust his fluoroscopic shutters to a width of exactly 4". As a result, there will be no unsightly overlap or translucent strip between the pictures on each half of the film. (Fig. 3.)

In bringing this paper to a conclusion, I wish to thank you for bearing with me while I have talked at such length on so mundane a facet of radiography as I have chosen to-day. I offer no apologies, however, because it is a facet which, if polished up a bit will make your films literally sparkle.

I would like to express my appreciation to Dr. F. G. Stuart, Director of the Department of Radiology, St. Joseph's Hospital, for advice and help in the preparation of this paper and to Mr. Leslie Spencer, Clinical Photographer for the slides.

REFRESHER COURSE LECTURERS

MEREDITH G. LEWIS, R.T.

LT. W. E. NOEL

L. D. STANISZEWSKI, R.T.

The Focal Spot

Journal of the Canadian Society of Radiological Technicians

LESLIE J. CARTWRIGHT, R.T.
EDITOR

Volume 14 TORONTO 1957 NO. 2 *Issue No 55*

CONVENTION NEWS

We take pleasure in reprinting the following excellent editorial on the forthcoming convention written by Editor Jean I. Widger in The X-Ray Technician.

BROAD HORIZONS

Some may be pacifists, some militarists; some isolationists, some interventionists; but all who gather in Washington, D.C., in June for the second International Convention will have one thing in common—radiography. It will matter not the color, race nor creed, the ideologies nor philosophies, the purpose will be the same—to meet on common ground for the exchange of ideas—scientific, educational and organizational—that fall within the realm of the x-ray technologist.

The problems the Canadian technologist confronts may vary somewhat from those that face the technologist in the Canal Zone. The Alaskan technician deals with medical diseases that the technician in the Virgin Islands may rarely see. Economic problems are different, administrative routines vary. In Washington, however, representatives from many states and provinces will cross unguarded borders to sit together in rooms and at tables and, with a common technological background and unified purpose, will meld their differences.

Here is an opportunity for technicians from far places to come together and improve their technical knowledge. Here is a chance to meet those from another country, observe them, and learn some of their customs, language peculiarities, national philosophies. A convention such as this offers more than a new radiographic technique, an amendment to a constitution.

The great majority will speak the same language, with perhaps differences in accent, and hence will be able to communicate their knowledge with facility. At this scientific level will develop an understanding and a social and professional unity that would be envied by members of the United Nations. It will represent, in miniature, the dream of many millions of people—the dream of international understanding at all levels.

Although the international convention at the present time embraces mostly those from the United States and Canada, it aims toward a time and a place when its scope will include technicians from England to Australia, from China to South Africa, from North America to South America. With rockets and jets making the world smaller, barriers of all kinds will disappear, and the horizons of the technician will become broader. What a thrill it will be in years to come to look back and remember that you were part of that early pioneering step.

A MESSAGE FROM THE C.S.R.T. PRESIDENT

No organization could have any greater objective than to improve the standards of its members. There are approximately thirty members on various committees of the C.S.R.T. combining their efforts to serve this purpose. The work of the Committee of Qualifications is never done. Almost as soon as a set of examinations is marked a new set must be prepared. A very large volume of correspondence is handled by the members of this committee during the year. The Committee on Technical Training plays a most important role in its efforts to standardize training. This committee is now preparing a syllabus for the separation of therapy training and studying standards and procedures for accreditation of training schools. The purpose of our Committee on Law is to make the necessary changes in our constitution and by-laws. During the past three years a complete revision was made of our constitution. We need only to glance through *The*

Focal Spot to appreciate some of the efforts of the Committee on Publications. Our journal is a valuable medium of education for radiographers across Canada. The Resolutions Committee receives and prepares resolutions to be submitted to the membership at our annual meeting. The Committee on Public Relations is preparing a brochure for distribution in schools. The Awards Committees draft rules and regulations and judge papers and exhibits for our various awards.

It is indeed a pleasure to pay tribute to the members of these committees and to the many other members not mentioned here for their efforts to raise the standards of x-ray technicians across Canada.

May we extend our congratulations to the many students who passed their November examinations. The future of Radiography rests largely in your hands. We strongly urge you to take an active part in your provincial and national societies.

This is the pre-convention issue of *The Focal Spot* and our last opportunity to meet through the medium of our journal. This term of office has been rather trying for the Board of Directors, the various committees of the C.S.R.T. and your President. It has been necessary to complete a full year of business in nine months. Also preparation for our Joint International Convention with the A.S.X.T. has placed an additional strain on everyone. These efforts can be justified only if you register for the '57 Convention and attend the technical and business sessions.

To have served as President of the Canadian Society of Radiological Technicians for this past term has indeed been a great honor.

May we have the pleasure of seeing you in Washington.

—DAVID SAGE, R.T.,
President, C.S.R.T.

A MESSAGE FROM THE CANADIAN CO-CHAIRMAN,

Dear Fellow Members:

On this night in early March, with a winter wind blowing and snow and ice covering the ground, it seems somewhat difficult to visualize the warmth there will be in Washington in June. By the time you may read this letter, some time in the month of May, that warmth should be more real and I hope that as the weather warms, so will your enthusiasm to attend the Second International Convention.

I wish that I might draw you some word pictures of the warmth and beauty of Washington in June but then I do not think that it really matters because the warmth you will experience in Washington will not be only a physical warmth but a warmth of personal association. I have yet to attend a convention and leave without receiving a boost in my morale. Too often, perhaps, we become isolated in our thinking to the extent that we may feel that the institution for which we work is unique in the problems it presents. It is heartwarming to learn that others are faced with the same problems, not because we are glad that they are, but because it creates a feeling of comradeship in our chosen field of endeavour. There is an old adage that says "Misery loves company." My past experience at convention leads me to offer this addendum to the old adage "Misery loves company—but company alleviates misery."

It happens to be my personal opinion that this personal association is the most important benefit a convention can offer. There are many other benefits we may accrue from attendance at a convention—refresher courses, panel discussions, the workshop, technical lectures and others —but even the benefits of these activities are enhanced by personal association.

It is quite obvious that I am endeavouring to sell you on the idea that you should attend the Second International Convention. I do not deny it—I am. I also believe in the product I am selling. We do not offer you your money back if you are not satisfied because we are sure that you will be. We do not offer you the opportunity of winning large sums of money if you participate. We do offer you, however, the opportunity to participate, to meet fellow technicians from your own country and others, to exchange viewpoints, to sympathize with them because their problems may be your problems, to glory with them because their achievements may parallel yours.

Please plan to attend the Second International. I do not ask this only because you will be helping us to make it a successful Convention but because you will be helping yourselves. The success of the Convention can only be measured by the benefit the individual member accrues

from it. Make sure you are one of the technicians who will benefit. Get to Washington somehow —by bus, by car, by train or by plane—but don't walk. We don't want you to be too tired to enjoy meeting us as we shall enjoy meeting you, and we have a full programme that you will want to participate in, in full. Join us in Washington, won't you? Go to the Sheraton Park Hotel and ask for "Joe." "Joe," surnamed "Morel," may be busy when you arrive but he will have lots of helpers to make you welcome. See you in Washington.

Cordially yours,

—G. ARCHIE WILKINSON, R.T.,
Co-Chairman, Second International Convention.

We are glad to report that Mr. W. Q. Stirling is back on the job again after a miserable two months with an acute skin affliction. Bill hopes to be able to get to the Convention in June.

Another prominent member who has been out of action for several months is Sister M. deLellis who sustained a fracture of the neck of the femur. We are glad to say that Sister is now recovering nicely and intends to deliver her Refresher Course at the Washington Convention spite of her disability.

The Refresher Course on Nursing Procedures by Carol Vennes, R.T., slated for the International Convention, has unfortunately been cancelled due to circumstances beyond control.

We regret to note an ommission in the Index to Volume 13 published in the last issue of *The Focal Spot*. "Planning the X-Ray Department" by Eric V. Hammond, R.N., R.T., on page 98, was not included in the Index. Will those who file their journals for later reference please add this item to the Index in Issue No. 1, 1957.

We are indebted to The X-Ray Technician for some of the illustrations in this issue.

INTERIM REPORT

Interim Report of the Joint Standing Committee on Technical Training of the Canadian Association of Radiologists and the Canadian Society of Radiological Technicians

At an important meeting of this committee held on January 15th, 1957, two main items of great interest to all Radiologists and Technicians were discussed:

1. Revision of the Teachers' syllabus in keeping with the newly established separation of registration of Technicians in Radiography or Radiotherapy or both;

2. Devising ways and means for setting up Minimal Standards for Training Schools and then for establishing their acceditation.

Members of the Committee present were as follows: C.A.R.—Drs. Petrie (Chairman), Gill Stapleton, Crawford, Bouchard. C.S.R.T. — Messrs. Sage (President), Hall, Cheffins, Miss Plowman.

The following are the main points arising from the deliberations and recommendations of the Committee.

Teachers' Syllabus

(a) Diagnostic Radiography. The syllabus to remain in its present form until revision and reprinting becomes necessary; in all probability until the new Syllabus on Therapy has been established.

(b) Therapy Syllabus. Owing to the imminence of the first Therapy Examinations in May, 1958, it was agreed that this matter was very urgent. On the suggestion and resolution of Dr. Jean Bouchard it was agreed unanimously that he set up first a Sub-Committee, and second a "Working Party" to produce an interim syllabus as follows:- The "Working Party" to be composed of Radiotherapists and Radiation Physicists residing in the Montreal area, who would have such a syllabus formulated by April 1st, 1957. This interim syllabus to be used in mimeographed form for from one to two years on a trial basis. The Sub-Committee, it was

felt, should be on a wider national basis and be responsible for any necessary revision and for finalization of the interim syllabus.

Examination Questions for Therapy

It was agreed that with the complete separation of Radiography and Radiotherapy being implemented the examination questions in Radiotherapy be based on the Interim Syllabus prepared by Dr. Bouchard and his working party. (Examination questions in Radiography would remain the same as at present.)

Educational Requirements for Students

The resolution of the C.S.R.T. Board of Directors, August 29th, 1956, recommending to the Joint Committee on Technical Training, that the one year physics requirement be deleted from the prior educational qualifications was agreed upon in view of the fact that in many cases this was of no practical value to the Student, providing that Physics was properly taught in the training schools.

Minimal Standards for Training Schools and Accreditation

Dr. Petrie's report (Focal Spot issue No. 53) was studied and accepted in principle with the recommendation that (a) the questionnaire be redrawn by the Joint Committee and (b) that the Canadian Medical Association and the Canadian Hospitals' Association be consulted as to the best method of sending out the questionnaire on facilities for training, and for advice as to how the approval of Training Schools might best be carried out.

The above summary has been made at the suggestion of Dr. E. A. Petrie, who felt that members of the C.S.R.T. should be acquainted as soon as possible with the results of the Committee's activities, in view of the wide interest and concern felt by many members with regard to Technical Training.

—Audrey N. Plowman, R.T. (T.), Acting Secretary, Technical Training Committee.

RESOLUTIONS

The following resolutions with their sponsors' names are being forwarded for presentation at the International Convention in Washington, D.C.

BRITISH COLUMBIA DIVISION:

WHEREAS the present method of raising finances for the Pool Fund of the C.S.R.T. is uncertain and unsatisfactory and,

WHEREAS the collection of 20% of all monies raised by the host member Society to finance the Pool Fund is unfair and a great hardship to said society.

WHEREAS the present method was of value during the formative years of the C.S.R.T., this method of financing the Pool Fund is not now considered necessary,

THEREFORE BE IT RESOLVED that the C.S.R.T. assume the responsibility of the cost of annual meetings.

ONTARIO DIVISION:

WHEREAS no fee is assessed by the British Society of Radiographers on members transferring from the C.S.R.T. to the British Society of Radiographers, and

WHEREAS much ill-will is being caused by the present $5 reciprocity fee in lieu of examination.

THEREFORE BE IT RESOLVED that the $5 reciprocity fee in lieu of examination in the case of members of the British Society of Radiographers cease.

NEW BRUNSWICK DIVISION:

WHEREAS in the provincial society it is desirable to retain and increase the associate membership; and

WHEREAS at the present time the high annual provincial dues are preventing x-ray service personnel from retaining associate membership; and

WHEREAS provincial dues cannot be lowered unless the $5.00 C.S.R.T. fee is reduced;

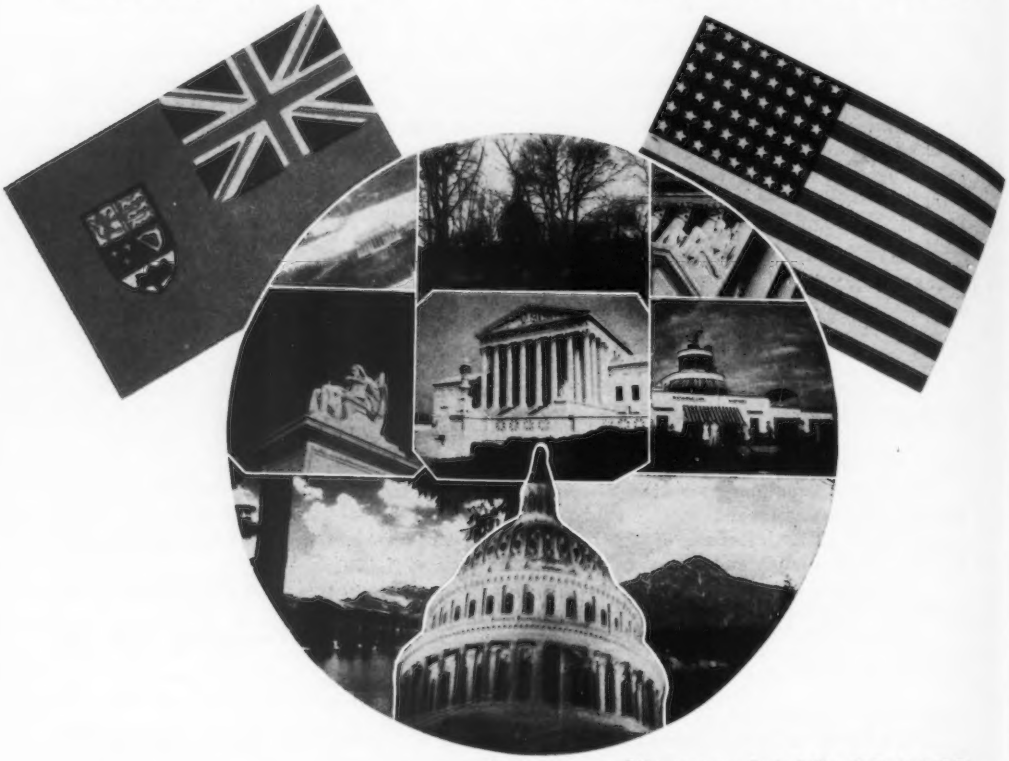
THEREFORE BE IT RESOLVED that the C.S.R.T. associate membership be reduced from $5.00 to $2.00.

Scene of the Second International Convention American Society of X-Ray Technicians and Canadian Society of Radiological Technicians

GREETINGS FROM WASHINGTON

In the last write-up I gave you names of places to see—let me enumerate what points of interest are behind these names, so that you may outline, in your mind, which ones you wish to visit. I sincerely wish you can see them all.

Art Galleries: The District of Columbia is the greatest centre of art in the world. In addition to the galleries listed below there are a number of smaller galleries and art schools. The Corcoran Gallery of Art, Fine Arts Gallery,



Photomontage: Ruth Jaffke, R.T. (A.R.X.T.)

The Nation's Capitol: The Capitol Building, dominating the entire city of Washington, stands in spacious grounds on the crest of a hill, at the point where the north-south and east-west axis of the city intersect. It is a beautiful building by day when its white walls reflect the sun and flags fly over its central dome; it is equally beautiful at night when floodlights illuminate the central dome, and a single light gleams from the lantern above, indication the meeting of one or both houses.

National Collection of Fine Arts, and many more.

The Smithsonian Institution was established in 1846 under the terms of the will of an English scientist, James Smithson, who left his entire fortune of over half a million dollars—a very large sum in those days—to the United States. To-day, the Smithsonian Institution is world famous for its excellent museums and art galleries, and is respected for its scientific research, explorations, and publications.

WASHINGTON, D.C.

The Army Medical Centre (Walter Reed Hospital) is a world renowned hospital and has grown to be a giant in the field of medicine, and daily treats the more difficult and unusual medical and surgical cases of the United States Army and Air Force.

The National Naval Medical Centre in suburban Maryland is referred to locally as "The Health Centre of the World." Across from the Centre is the equally striking National Institutes of Health. These are just a few I have space to record. There are many more interesting spots to visit including the Embassies of the various countries.

NOTE: If you are planning to take either post-convention trip, as described in the last bulletin, PLEASE get your deposit to Travel, Inc., 1001 Connecticut Ave., as soon as possible. They cannot help us if we wait until June to make reservations.

1. The trip to Havana, Cuba, by air, a three night and four days, all expense tour, for $199.30 per person, double occupancy, and $208.35 per person, single occupancy These rates are effective during the time of our Convention (June), but does not include the $2.50 Cuban Landing Tax which must be paid per person upon arrival at Havana International Airport.

2. You will thrill to Historic Virginia if you plan on the post-convention trip to Williamsburg, Virginia. I have taken this tour and I know everyone would have a most enjoyable time. This a three day tour including meals, lodging, tours and tips (2 nights, 7 meals) (basis 2 to a room). Rate' Lodge $64.00 and Inn $84.00 per person.

If you are interested contact Travel, Inc., 1001 Connecticut Ave., N.W., Washington, D.C., sending your deposit with the reservation. Deposits of $10.00 for the Virginia trip and $20.00 for the Havana trip.

The welcome mat is out and on behalf of my committee I extend to you a most hearty welcome and wish for you a convention and vacation you will always remember.

—ISABEL M. PETRIE, R.T.,
Chairman, Hospital Committee.

RESOLUTIONS

(continued from page 81)

ALBERTA AND MANITOBA DIVISIONS:

WHEREAS the cost of National Conventions is gradually increasing and undoubtedly will continue to increase and,

WHEREAS the present method of financing the National Conventions is not entirely democratic in that the cost of such conventions is borne by only a small portion of the total membership, benefits of which are derived by the membership at large and,

WHEREAS it is highly desirable that the National Conventions be rotated through all provincial members to attend such meetings and,

WHEREAS because of the present method of financing, smaller provincial groups are reluctant to play host to the National Conventions,

THEREFORE BE IT RESOLVED that in order to arrive at a more democratic method of financing our conventions,. a levy of $2.00 on each Ordinary and Associate member of the C.S.R.T. be made annually. Such levy to be collected by each Division and be forwarded to the Secretary of the C.S.R.T. not later than March 1st of each year. Tihs levy to be earmarked for National Convention expense.

—J. C. SAUNDERS, R.T., Chairman,
Resolutions Committee.

Second International Convention of X-Ray Technicians

29th Annual Convention - ASXT 15th Annual Convention - CSRT

JUNE 8th through JUNE 13th, 1957
Sheraton Park Hotel
Washington, D.C.

The Canadian Society of Radiological Technicians
David Sage, R.T., President.
William Doern, R.T., Vice-President.
E. I. Hood, R.M., R.T., Secretary-Treasurer.
General Convention Chairman ..... **Joseph M. Morel, R.T.**

The American Society of X-Ray Technicians
Mary L. Rudder, R.T., President.
Floyd L. Driver, R.T., President-Elect.
Theodore T. Ott, R.T., First Vice-President.
Genevieve J. Eilert, R.T., Executive Secretary.
Co-Chairman ..... **G. Archie Wilkinson, R.T.**

GENERAL INFORMATION

REGISTRATION—ESPLANADA, SHERATON PARK HOTEL

Friday, June 7, 1957	6 p.m. to 10 p.m.
Saturday, June 8	2 p.m. to 8 p.m.
Sunday, June 9	10 a.m. to 6 p.m.
Monday, June 10	8 a.m. to 5 p.m.
Tuesday, June 11	8 a.m. to 5 p.m.
Wednesday, June 12	8 a.m. to 12 Noon
Thursday, June 13	8 a.m. to 12 Noon

Persons wishing to participate in Convention activities must register. You will help the Registration Committee and speed up Registration if you present your A.S.X.T. and/or C.S.R.T. membership card when you register.

REGISTRATION FEES

Members A.S.X.T. and C.S.R.T.	$3.00
(Husband, wife, children, or a companion. Sister of members, complimentary).	
Guests	$6.00
Student Technicians must present letter establishing status	$3.00
Workshop Registration	$5.00
Refresher Courses, Including Textbook	$5.00
Refresher Course for students only	$2.00

Badges are required for admission to all scientific and business sessions or special functions.

GROUP TICKETS

Tickets have been printed in a special booklet form for your convenience (exclusive of Workshop). Single tickets for special events must be purchased 24 hours in advance.

EXHIBITS

The technical exhibits are displayed on the Balcony, Sheraton Hall.

Exhibits will be dismantled at noon Thursday.

HOSPITALITY DESK

There will be someone on duty at the desk in the Esplanada to answer questions concerning convention arrangements, shopping, pleasure trips, churches—in fact, any information you desire.

MEMBERSHIIP DESK

The Society will maintain a membership desk near the registration desk for those technicians wishing to make application for membership.

H. O. MAHONEY MEMORIAL PARLOR

This room is for the exclusive use of the Sister Technicians. Courtesy, X-Ray Division, General Electric Company. Please contact the Hospitality Desk for location.

REGISTRY INFORMATION

There will be no Registry examination conducted in conjunction with this annual meeting. The Registry Board is in session during this meeting and will confer with technicians. Please make appointments through the Hospitality Desk.

FELLOWSHIP ROOM

Burgundy Room across from the registration desk. The Fellowship Room will be open for your enjoyment at all times when the program is not in session. It will be under the direction of Mr. Sgt. Russell P. Rankin and is sponsored by Westinghouse Electric Corporation, X-Ray Division, Baltimore, Maryland.

N.E.M.A. AWARDS

Courtesy of X-Ray Section, National Electric Manufacturers' Association.

CANADIAN ESSAY AWARDS

CONVENTION MOVIES

Courtesy of Eastman Kodak Company.

RELIGIOUS SERVICES

MASSES

Sunday—Catholic Services will be held at St. Thomas Apostle Church, Sunday, June 9, 1957, at 6.45 a.m., 8.00 a.m., 9.00 a.m., 10.00 a.m., 11.30 a.m. and 12.30 p.m.

Daily—Saturday and Monday through Thursday, at 6.10 a.m., 6.45 a.m., 7.30 a.m., an 8.00 a.m.

INTERDENOMINATIONAL MEMORIAL CHAPEL SERVICES

Sunday, June 9, 9.30 a.m., in memory of our deceased members, will be held in the Burgundy Room. Rev. Paul M. Orso, D.D., from the Lutheran Inner Mission Society Church, will officiate.

8.00 - 10.00 Daily

REFRESHER COURSES.

ISOTOPE TECHNIQUES ..... **Lieut. W. E. Noel, M.T.**

FUNDAMENTALS OF TEACHING ROENTGENOGRAPHIC POSITIONS ..... **Meredith G. Lewis, R.T.**

INTRODUCTION TO RADIOLOGICAL PROTECTION ..... **Ray Fujimoto, R.T.**

RADIOGRAPHY OF THE SKULL .... **L. A. Staniszewski, R.T.**

TEACHING RADIOLOGICAL TECHNOLOGY ..... **Sister M. de Lellis, B.Sc., R.T.**

PRINCIPLES OF RADIOGRAPHIC EXPOSTURE ..... **Arthur W. Fuchs, A.S.X.T. (Hon.)**

BONE RADIOGRAPHY OF THE ENTIRE SKELETON ..... **Howard W. McIntyre, R.T.**

SPECIAL RADIOGRAPHIC TECHNIQUES ..... **Ralph J. Bannister, R.T.**

PHYSICAL PRINCIPLES OF RADIOTHERAPY FOR R.T.'s AND NURSES ..... **G. Ferlazzo**

COMMERCIAL HOSPITALITY ROOM HOURS

Friday, June 7, 1957. No open hours.

Saturday, June 8, 1957. No open hours. (Dance in Fellowship Room from 8.00 p.m. to 11.00 p.m.).

Sunday, June 9, 1957. Hours from 9.30 p.m. to 11.00 p.m.

Monday, June 10, 1957. Hours from 8.00 p.m. to 11.00 p.m.

Tuesday, June 11, 1957. No open hours. (Planned entertainment in Sheraton Hall from 8.00 p.m. to 11.00 p.m.).

Wednesday, June 12, 1957. Hours from 9.30 p.m. to 11.00 p.m.

Thursday, June 13, 1957. Hours from 11.00 p.m. to 2.00 a.m.

SATURDAY, JUNE 8, 1957

THE WORKSHOP

Continental and Burgundy Rooms

8.00 - 9.00 a.m.

REGISTRATION

9.00 - 9.10 a.m.

ASSEMBLY AND INTRODUCTIONS

9.10 - 10.00 a.m.

PHYCHOLOGY—PATIENT HANDLING

Richard A. Steinbach, M.D., Assistant Professor in Psychiatry, Georgetown University Hospital, Washington, D.C.

10.10 - 11.30 a.m.

ADMINISTRATION AND PERSONNEL

(To include medico-legal problems)

Moderator—**Richard A. Olden, R.T.**

Panelists—**Iva Lee McGrady, R.T.**
P. E. Hunt, R.T.
Sister Robert Marie, R.T.
Nicholas Rajacick
Everett Gordon, M.D.

Lunch on Your Own

1.00 - 2.15 p.m.

EDUCATION

Moderator—**Theodore T. Ott, R.T.**

Panelists—**Marjorie C. Tolan, R.T.**
Albert R. Cheffins, R.T.
Elizabeth A. Nalley, R.T.
Ralph J. Bannister, R.T.
Meredith G. Lewis, R.T.

Break

2.30 - 4.00 p.m.

TECHNIQUE

Moderator—**John B. Cahoon, R.T.**

Panelists—**Louis A. Staniszewski, R.T.**
Robert Chapman, R.T.
Margaret J. McGann, R.T.
David C. Sage, R.T.

TO 5.00 p.m.

OPEN DISCUSSION—SUMMARY

Moderator—**Clark R. Warren, R.T.**

Panelists—**Richard A. Olden, R.T.**
Marjorie C. Tolan, R.T.
Theodore T. Ott, R.T.
Mary Knish, R.T.
John B. Cahoon, R.T.

Dinner on Your Own

8.00 - 11.00 p.m.

FELLOWSHIP DANCE ..... **Burgundy Room**

Courtesy **Westinghouse Electric Corporation, X-Ray Division.**

SECOND INTERNATIONAL CONVENTION

GENERAL PROGRAM

SUNDAY, JUNE 9, 1957

9.30 a.m.

INTERDENOMINATIONAL MEMORIAL CHAPEL SERVICES

Burgundy Room—In memory of our deceased members. **Rev. Paul M. Orso, D.C.**, Lutheran Inner Mission Society Church, officiating.

11.30 - 1.30 p.m.

FELLOWSHIP BRUNCH ..... **Sheraton Hall**

Sponsor—**Virginia Society of X-Ray Technicians.**
Honoring—**Affiliated Societies and Provinces.**
Presiding—**Mary C. Harris, R.T.**
Invocation—**Alva D. Ailworth, R.T.**, President, Virginia Society of X-Ray Technicians.
Roll Call of States and Provinces—**Laura J. Simons, R.T.**, Chairman, Affiliation Committee.

AFTERNOON SESSION

2.00 p.m.

GENERAL ASSEMBLY ..... **Continental Room**

Presiding—**Laura J. Simons, R.T.** (Affiliation Chairman).
Presentation of A.S.X.T. Budget—**Richard A. Olden, R.T.**, Chairman, Board of Directors.
Presentation of proposed amendments to A.S.X.T. and Affiliated Society By-Laws—**Marie G. Pigeon, R.T.**, Chairman, Resolutions and By-Laws Committee.

PANEL DISCUSSION

Subject—**Educational Therapy Set-up Reciprocity Agreemen. Ken Hall, R.T.** (C.S.R.T. Participant); **Alfred B. Greene, R.T.** (A.S.X.T. Participant).

Subject — **Recruitment Program. Jane Martin, R.T** (C.S.R.T. Participant); **Chalmers L. Wial, R.T.** (A.S.X.T. Participant).

Subject—**Radiation Exposure. Scott Smith, Ph.D.**, Nat'l Bureau of Standard (C.S.R.T. Participant).

Dinner on Your Own

EVENING ENTERTAINMENT

7.30 p.m.

MOVIES ..... **Sheraton Hall**

"1956 A.S.X.T. Convention Movies".
Courtesy Medical Division, **Eastman Kodak Company.**
"Music in Motion"
Courtesy **Bell Telephone Company.**
"First a Physician."
Courtesy **E. I. DuPont de Nemours Company.**

MONDAY, JUNE 10, 1957

7.15 a.m.

REGISTRATION FOR REFRESHER COURSES.

8.00 - 10.00 a.m.

REFRESHER COURES—Doors will be closed promptly at 8.00 a.m. (Punctuality is essential for credit).

10.15 a.m.

REFRESHER COURSE — "The Fundamentals of X-Ray Physics," S. A. Morton, M.D., Instructor.
(Students are non-registered technicians only).

MORNING SESSION

SHERATON HALL

10.15 a.m.

OPENING SESSION.

"THE STAR SPANGLED BANNER" Assembly Singing. Led by **Genevieve J. Eilert, R.T., A.S.X.T.** Accompanist, **Mary E. Adkins, R.T., A.S.X.T.**

"THE STAR SPANGLED BANNER"

O say can you see, by the dawn's early light,
What so proudly we hailed at the twilight's last gleaming,
Whose broad stripes and bright stars, through the perilous fight,
O'er the ramparts we watched were so gallantly streaming?
And the rocket's red glare, the bombs bursting in air,
Gave proof thro' the night that our flag was still there;
O say, does the Star-spangled Banner yet wave
O'er the land of the free and the home of the brave?

"GOD SAVE THE QUEEN"—Assembly Singing. Led by **Frank Weale, R.T., C.S.R.T.** Accompanist, **Mary E. Adkins, R.T., A.S.X.T.**

"GOD SAVE THE QUEEN"

God save our gracious Queen,
Long live our noble Queen,
Gave save the Queen;
Send her victorious
Happy and glorious
Long to reign over us
God save the Queen.

"TWO NATIONS"

Two nations side by side
Neighbors in peace abide,
And Liberty,
Sprung from one ancient line,
Serving one God divine,
Two flags as one entwine
Two nations free.

FRANK WEALE, R.T.

Invocation—**Bishop Philip M. Hannan, D.D.**, Chancellor, Archdiocese of Washington, D.C.

Call to Order—**Mary F. Comeron, R.T., C.S.R.T. - A.S.X.T.**, Honorary President, Second International Convention.

Greetings—**Hon. John F. Kennedy**, U.S. Senator from Massachusetts.

Greetings—**Ira H. Lockwood, M.D.**, President, American College of Radiology.

E. A. Petrie, M.D., Canadian Association of Radiologists.

C. H. Warfield, M.D., The American Registry of X-Ray Technicians.

John Long, Radiological Convention Advisor, Radiological Section—D.C. Medical Society.

Joseph M. Morel, R.T., Convention General Chairman.

Response—**G. Archie Wilkinson, R.T., C.S.R.T. - A.S.X.T.**, Co-Chairman.

BUSINESS MEETING—A.S.X.T. - C.S.R.T. .... Sheraton Hall

First business session of both societies will be held together in order that all may hear the addresses of both presidents at the Second International Convention.

Presidents' Addresses—**David Sage, R.T., C.S.R.T.-A.S.X.T.**
Mary L. Rudder, R.T., A.S.X.T.

Report of A.S.X.T. Nomination Committee.

Report of A.S.X.T. Convention City Committee.

(All Business Sessions are Open to Guests)

1.45 - 2.15 p.m.

LUNCHEON ..... Sheraton Hall

Honoring—**Convention Committee.**

Sponsor—**Canadian Society of Radiological Technician.**

Presiding—**G. A. Wilkinson, R.T.**, Co-Chairman.

Guest Speaker — **Wm. R. Lacroix, M.D.**, Chairman, C.S.R.T. Awards Committee.

AFTERNOON SESSION

Sheraton Hall

2.30 to 5.30 p.m.

SCIENTIFIC PROGRAM—First Session

Moderator—**Gertrude Pearson, R.T., A.S.X.T.**

Twenty Years of Health Help or Health Hazard.
Frank Weale, R.T., Hamilton, Ontario.
C.S.R.T. Awards—Second Place.
Introduction—**G. Archie Wilkinson, R.T. C.S.R.T.**

A Lateral Projection of the Shoulder Joint to Permit An Evaluation of the Degree of Location.
Nicholas R. Barraco, R.T., New Britain, Conn.
N.E.M.A. Award Winner—Third Place.
Introduction—**J. Wilma Hicks, R.T.**

Knowledge Precludes Failure in Radiographic Results.
Sister Emmanuel Marie Racie, S.P.S.F., R.T., Bronx, N.Y.

Arthrography of the Knee Joint in the Private Office.
Thomas Patry, R.T., London, Ontario.

High Speed X-Ray Processing for Surgery.
Charles J. Marsh, R.T., Flint, Michigan.

Bell-Thompson Rule for Bilateral Leg Length Determination.
Ausma E. Veiland, R.T., Moline, Illinois.

Little Foxes.
Arthur King, R.T., London, Ontario.

The X-Ray Technician in Orthopedics.
Tamako Furoshiro, R.T., Austin, Texas.

Industry Looks at the Lumbar Spine.
Ruth C. Jaffke, R.T., Chicago, Illinois.

A Simple Technique for Bronchography, Including the Over-all Management of the Patient.

Hans Geissberger, R.T., A.S.X.T., Knoxville, Tenn.

Fun With Exposure Factors or

A Personal X-Ray Exposure Calculator.
William A. Williams, R.T., Rochester, New York.

EVENING

Free— Stores are open until 9.00 p.m.

TUESDAY, JUNE 11, 1957

7.15 a.m.

Refresher Course Registration Desks Open.

8.00 - 10.00 a.m.

REFRESHER COURSES.

10.15 a.m.

STUDENT COURSE ..... "Fundamentals of X-Ray Physics'
S. A. Morton, M.D. Instructor.

MORNING SESSION

10.15 a.m.

BUSINESS MEETING—A.S.X.T. ..... Sheraton Hall

SECOND SESSION.

Officer Nomination from the Floor.

Committee Reports.

General Business.

10.30 a.m.

BUSINESS MEETING—C.S.R.T. ..... Continental Room

SECOND SESSION.

Report of the Auditor and Treasurer.

Report of the Registrar.

Report of the Historian.

Report of the Committee on Law.

Report of the Committee on Publications.

Report of the Committee on Qualifications.

12.45 - 2.15 p.m.

LUNCHEON ..... Sheraton Hall

Sponsor: **Colorado Society of X-Ray Technicians.**

Honoring: **Visiting technicians from other countries.**

Presiding: **Miss Helen Hawkins, R.T.**

Invocation: **Rev. Sebastian Miklas, O.F.M. Cap.**

Speaker: **Mr. Robert McCollum**, U.S State Department.

AFTERNOON SESSION

Sheraton Hall

2.30 to 5.30 p.m.

SCIENTIFIC PROGRAM—SECOND SESSION
Moderator—**Donald C. Fisk, R.T.**

WELCH MEMORIAL LECTURE—Mr. P. E. Hunt, R.T., His Example Our Heritage.
Introduction: **David Sage, R.T.,** President, C.S.R.T.

METHODS OF SOLARIZATION.
William A. Conklin, R.T., Orangeburg, South Carolina.
N.E.M.A. Award—Second Place.
Introduction: **Richard A. Olden, R.T.,** Chairman, Board of Directors, A.S.X.T.

PRESENTATION OF EXHIBIT AWARDS.
George Reason Cup — **David Sage, R.T.,** President, C.S.R.T.
George Pfahler Cup—**Mary L. Rudder, R.T.,** President, A.S.X.T.

VARIATIONS ON A THORACIC THEME.
Jane Martin, R.T. Hamilton, Ontario.
C.S.R.T. Award—First Place.
Introduction: **Mary F. Cameron, R.T.**

THE ELECTRON.
Rex Radford, M.S.R., Fredericton, New Brunswick.

SOME FUNDAMENTAL RULES OF ROENTGEN TECHNIQUE.
Sister Mary Josine, S.S.M., R.T., B.S., Blue Island, Illinois.

WHIPLASH INJURIES.
Barbara Keagy, R.T., Galveston, Texas.

HIGH SPEED BI-PLANE ANGIOCARDIOGRAPHY.
Frank E. Lane, R.T., Louisville, Kentucky.

Dinner on Your Own.

EVENING ENTERTAINMENT

8.00 p.m.
"WASHINGTON NIGHT"—45 minutes of Specialty Acts, followed by Square Dance in suitable dress, complete with Caller and the music of the Happy Hicks Orchestra.

WEDNESDAY, JUNE 12, 1957

7.15 a.m.
Refresher Course Registration Desk Open.

8.00 - 10.00 a.m.
REFRESHER COURSE.

10.15 a.m.
STUDENT COURSE.

MORNING SESSION

10.15 a.m.
BUSINESS MEETING—A.S.X.T. ..... **Sheraton Hall**

THIRD SESSION.

Election of Officers.
Selection of 1959 Convention City.
Reports of Committees.
General Business.

10.30 a.m.
BUSINESS MEETING—C.S.R.T. ..... **Continental Room**
THIRD SESSION.

Report of the Committee on Technical Training.
Report of the Committee on Resolutions.
Report of the Special Committee on Ceremonials.
Report of the Committee on Awards.
Report of the Committee on Public Relations Brochure.
Report on the Appointment of a Permament Secretary.
Election of Officers.
Selection of the 1959 Convention City
Unfinished Business.
New Business.

Luncheon on Your Own.

AFTERNOON AND EVENING PROGRAM

3.00 p.m.
Through the courtesy of **General Electric Company, X-Ray Department, a TWO-HOUR CONDUCTED SIGHT-SEEING BUS TOUR.** Upon completion of tour, a box lunch will be provided for a **PICNIC IN ROCK CREEK PARK,** from where the group will be transported to Walter Reed Army Hospital grounds for a concert by **THE UNITED STATES ARMY BAND** at 7.30 p.m.

8.30 p.m.
Re-board busses for return to Hotel.

SECOND INTERNATIONAL CONVENTION

THURSDAY, JUNE 13, 1957

7.15 a.m.
Refresher Course Registration Desk Open.

8.00 - 10.00 a.m.
REFRESHER COURSES.

10.15 a.m.
STUDENT COURSE.

MORNING SESSION

10.15 a.m.
BUSINESS MEETING—A.S.X.T. ..... **Sheraton Hall**

FOURTH SESSION.
Unfinished Business.
New Business.

10.30 a.m.
BUSINESS MEETING—C.S.R.T. ..... **Continental Room**
FOURTH SESSION.
Report of Registrar.
Report of Historian.
Report of Editor of *The Focal Spot.*

12.30 p.m.
LUNCHEON.
Sponsor: **C.S.R.T.**
Honoring: **A.S.X.T.**
Presiding: **David Sage, R.T., C.S.R.T.,** President.
Speaker: **Mr. R. A. Farquharson,** Press Counsellor, Canadian Embassy, Washington, D.C.

AFTERNOON SESSION
Sheraton Hall
Moderator: **Frank L. Dixon, R.T.**

SCIENTIFIC PROGRAM—THIRD SESSION

2.30 p.m.
POLAROID—SIXTY SECONDS FOR A RADIOGRAPHIC DIAGNOSIS.
J. Enns, R.T., Winnipeg, Manitoba.

CONTRAST CONTROL.
Donald C. Fisk, R.T., Montreal, Quebec.

KILOVOLTAGE AS A QUALITATIVE FACTOR.
George F. Koenig, R.T., Columbia, Missouri.
N.E.M.A. Award Winner—First Place.
Introduced by **Mary Rudder, R.T.,** A.S.X.T., President.

JERMAN MEMORIAL LECTURE.
Mary F. Cameron, R.T., A.S.X.T.
Subject—**"The Core and the Subject".**
Introduced by **Mary Rudder, R.T., A.S.X.T.,** President.

6.30 p.m.
COCKTAIL HOUR—Continental Room—Esplanada and Foyer, Sheraton Hotel.
Courtesy, **E. I. DuPont de Nemours and Company.**

7.15 p.m. to 8.45 p.m.
ANNUAL BANQUET ..... **Sheraton Hall**
Presiding: **Mary F. Cameron, R.T.,** A.S.X.T. - C.S.R.T., Honorary President, Second International Convention.

FINAL BUSINESS SESSION.
Induction of Officers.

ENTERTAINMENT—By **The Hubbels.**
9.30 p.m. - 1.00 a.m.
DANCING to music of **Sabin & Altman.**

MARY L. RUDDER, R.T.
President, A.S.X.T.

REFRESHER COURSE LECTURERS

G. FERLAZZO

HOWARD W. McINTYRE

RAY FUJIMOTO.

RALPH J. BANNISTER

WHO'S WHO AT THE CONVENTION

JOSEPH M. MOREL, R.T.

General Convention Chairman

Joseph M. Morel has had fifteen years experience in the field of x-ray technique, beginning in 1941 with a year of training in the school of radiography, New York Hospital, New York City. In August, 1942, he entered military service and for three years was chief technician at Lincoln Army Air Field Station, Lincoln, Nebraska.

He left the service in 1942 and in September, 1942, he enrolled in the Catholic University of America, Washington, D.C., from which he later received a B.A. degree in biology. While attending the university, Mr. Morel worked as an x-ray technician on a part-time basis at Georgetown University Hospital. At the present time, he is employed as chief technician at the Clinical Centre, National Institute of Health, Bethesda, Maryland.

Accepted to membership in the A.S.X.T. in 1951, Mr. Morel has served as chairman of its radiation safety committee. He also has been president of the Society of Registered Technicians of Washington, D.C. He is married and the father of three charming little girls, Mary Margaret, six; Patricia Ann, four; and Ann Regina, four months.

WILLIAM H. PLANTE, R.T.

Chairman, Finance Committee

A native of Cohoes, New York, William H. Plante received his schooling there before entering the service. His technical training in radiography and photofluorography were received at the National Naval Medical School, Naval Medical Centre, Bethesda, Maryland. After graduation from the school in 1944, he served at Norfolk, Virginia, Washington, D.C., Naval Air Station, San Diego, California.

After his discharge in September, 1953, he accepted a position at the U.S. Veterans' Hospital, Mount Alto, Washington, D.C., where he remained until his transfer to the Veterans' Hospital, National Institutes of Health, Clinical Centre, Bethesda, Maryland. He is now assistant chief technician at the Bethesda centre.

He was certified by The American Registry of X-Ray Technicians in 1950 and became a member of the A.S.X.T. the same year. He has had one article published in The X-Ray Technician, and has been active in the local Society of Registered Technicians of Washington, D.C., serving as treasurer, and currently as president.

JANE MARTIN, R.T.

Co-chairman, Refresher Course Committee, C.S.R.T.

Jane Martin was born in Hamilton, Ontario. She started her early education there but finished it in Toronto. After high school graduation, she returned to Hamilton for x-ray training at the McGregor Clinic under the supervision of Mary Cameron, R.T., and has remained on the staff since.

She has served on the Ontario Society executive committee and on the committee on qualifications of the C.S.R.T. In 1953, she was Canadian chairman of the refresher course committee for the international convention in Toronto and this year will serve as co-chairman in planning the courses for the 1957 convention in Washington, D.C.

Miss Martin's hobbies include photography, golf and reading. To see the world with a camera in her hands is one of her dreams, and she has already been fortunate enough to see much of North America and Europe.

G. ARCHIE WILKINSON, R.T.

Co-chairman, Second International Convention

The co-chairman of the Second International Convention is a quiet man with an excellent sense of humor. Montreal, Quebec, is the birthplace of G. Archie Wilkinson who "would like to be as old as Jack Benny claims he is, but is happy he is not as old as Jack really is."

In 1941, he joined the radar branch of the R.C.A.F. and served in the European theatre and in India until his discharge in 1945. His x-ray training began in 1948 at the Royal Victoria Hospital in Montreal, and following graduation he became a permanent member of the staff. Deciding that if he were to remain a bachelor he might as well be "scientific about it," he attended Sir George Williams College evenings from 1948 until he received his bachelor of science degree in 1954.

He is a member of both the Canadian and American Societies and was Canadian official delegate to the A.S.X.T. convention in Louisville. He is a member of the executive committee of the Quebec Society, was program chairman of the C.S.R.T. convention in Montreal in 1955 and presented a refresher course the same year.

He hopes to see many of his fellow members, including both C.S.R.T. and A.S.X.T., in Washington in June. In this respect, he voices the sentiments of all who are actively interested in the success of the second international.

WHO'S WHO AT THE CONVENTION

MARY F. CAMERON, R.T.
Convention Advisor (C.S.R.T.)

One of the organizers of the Ontario Society of Radiographers in 1935, Mrs. Cameron was also very active in the formation of the Canadian Society nine years later. She was born and educated in Ontario and received her early x-ray training from Dr. K. W. Cameron. After six years at San Antonio, Texas, she returned to Canada and took post-graduate courses in Toronto. For a number of years she has been Chief Technician at the McGregor Clinic in Hamilton, Ontario, and has never wavered in her enthusiastic support of our societies. In 1949 and again in 1951 Mrs. Cameron gave Refresher Courses at conventions of the A.S.X.T. She was General Chairman of the First International Convention in Toronto, Ontario, in 1953, and her dynamic personality contributed much to the success of that first big experiment.

ALBERT R. CHEFFINS, R.T.
Chairman, Refresher Course Committee, C.S.R.T.

Albert Cheffins was born in London, England, and was educated at Kent College, Canterbury, in the County of Kent, "The Garden of England." He emigrated to Canada in 1913 but returned to England the following year with the Sixth Canadian Expeditionary Force, serving overseas until 1919.

For a number of years following the war, he was employed as a mechanical and structural steel draftsman but later turned to the field of x-ray and, under the guidance of the late A. Howard Pirie, M.D., took up work in the x-ray department of Ste. Anne's Military Hospital, Ste. Anne de Bellevue, Quebec. During World War II, he was in charge of x-ray services in this institution. He left civil service early in 1946 to engage in x-ray work at the Montreal Neurological Institute. Later, however, he returned to civil service and went to work with the department of veterans' affairs in the x-ray department of Queen Mary Veterans' Hospital in Montreal.

Mr. Cheffins became an active member of the Province of Quebec X-Ray Society in 1944 and was registered with the Canadian Society of Radiological Technicians in 1947. He is a past president of both the Quebec Society and the Canadian Society. At the present time, he represents the Quebec Society on the board of directors of the C.S.R.T.

During vaction time, Mr. Cheffins likes to motor and has travelled extensively in the eastern United States and Florida and has driven to the west coast and back no less than four times. For relaxation the rest of the year, Mr. Cheffins finds pleasure in music. He has been organist and choirmaster of St. George's Anglican Church, Ste. Anne de Bellevue, for ten years.

Mr. Cheffins is married and has one son who recently graduated in law from the University of British Columbia, Vancouver, B.C., and who now is enrolled as a student of international law at Yale University.

ISABEL M. PETRIE, R.T.
Chairman, Hospitality Committee

Isabel M. Petrie received her laboratory and x-ray technology training at the Lemos B. Warne Hospital, Pottsville, Penn. Upon completion of her courses, she was employed at the hospital for twelve years, the last eight years as chief x-ray technician. In 1941, she was certified by The American Registry of X-Ray Technicians and became a member of the A.S.X.T. the following year.

She has served on various committees of state and local societies, is a past president of the Society of Registered X-Ray Technicians of Washington, D.C., and was the first editor of its official publication, The Line Focus.

At the present time, Miss Petrie is assistant supervisor of the medical laboratory of the United States Public Health Service out-patient clinic in Washington. Within the past two years, she has worked on and put into operation the technique of the protein-bound iodine test for thyroid function for which she received a superior achievement award for outstanding performance in her work from the Health, Edution and Welfare Department of the United States government. She has just completed a survey on thyroid function in leprosy cases from the United States Public Health Service Hospital, Carville, Louisiana. Upon completion of the statistics of this survey, she will be co-author of the published paper. Recently she was appointed a member of the Civil Service examining board of x-ray technicians for the military district of Washington, D.C.

In her spare time, Miss Petrie is a devoted collector of lustre and china pitchers and takes delight in showing them and telling about them to her friends.

DAVID C. SAGE, R.T.
President C.S.R.T.

Born in Welland, Ontario, close to Niagara Falls where he now does radiographic work, Mr. Sage's training included a period at the Toronto General Hospital, University of Toronto Extension Course for a year and two years of Physics. He served with the Canadian Army Medical Corps for five years and was later with the McGregor Clinic, Hamilton for about eight years. Mr. Sage has been active in his work for both the Candian and American Societies, being Counselor for the A.S.X.T. at the present time and for some years past. He was President of the Ontario Society 1951-53 as well as holding other offices. In 1952 he won the first NEMA essay award. Dave is married and has three boys. His hobbies include golf, tennis and mechanics.

WHO'S WHO AT THE CONVENTION

CALVIN HORVATH, JR., R.T.

Chairman, Programme Committee

Calvin Horvath was born and educated in Pennsylvania. He received clinical and pathological laboratory training, as well as his x-ray training at Gorgas Hospital, Canal Zone, and the Army Medical School at the Army Medical Centre in Washington, D.C.

Upon graduation from the x-ray school, he was assigned to the main x-ray department at Walter Reed Hospital, where he soon became chief technician. He served in that capacity for four years. For the past fifteen years, he has been chief technician with I. Lattman, M.D., and Drs. Groover, Christie and Merritt, in Washington, D.C.

Mr. Horvath became registered in 1942 and was accepted into the A.S.X.T. the same year. He was the organizer of the present Washington, D.C., Society, which is affiliated with the A.S.X.T., and was the society's first president. He is also retiring vice-president of his local society and at present is serving as program chairman.

The climate of Washington, D.C., enables Mr. Horvath to indulge in his hobbies of sports and growing cultured roses. He is married to a southern belle and has two lovely daughters.

RUTH HAYNES, R.T.

Chairman, Registration Committee

Ruth Haynes is not only an R.T. (A.R.X.T.) but also an M.T. (A.S.C.P.). After attending elementary school and high school in her native Kentucky, she attended Western Kentucky State College in Bowling Green, majored in Latin, and taught that subject in the Normal School section of the college while still a student.

Tuberculosis struck her down for a number of years, but after her "cure" she had two years of nurses training, followed that with laboratory and x-ray training, and became registered as an M.T. (A.S.C.P.) after graduating from Mercy Hospital School of Laboratory Technique, Baltimore, Maryland, in 1934.

Before going to work at Glenn Dale Hospital, Glenn Dale Maryland, at which time she became an R.T. (A.R.X.T.) she spent several years in an office of a pediatrician and allergist in Washington, D.C.

Miss Haynes has many interests which fill her leisure hours; she is an avid reader and enjoys music, the theatre and painting. Her collective instincts include stamps and china. She claims that the summum bonum of pleasure for her is entertaining friends.

SISTER EDMUND CAMPION, B.A., R.N., R.T.

Exhibit Committee (C.S.R.T.)

Sister Edmund Campion is a graduate of Mount St. Vincent College (nursing) and of Halifax Infirmary (x-ray). She started as a student in 1943 and on the same day attended the convention of the Nova Scotia Society of X-Ray Technicians. Since then her interest in x-ray technology and our societies has never waned. She joined the A.S.X.T. in 1950 and has held many offices in the C.S.R.T. as well as the Nova Scotia Society.

RODERICK W. BROWNE, R.T.

Chairman, Social Conveners

Roderick W. Browne is a native Californian, transplanted to the East Coast. He was born in Santa Barbara and received his schooling there. In 1935, he started x-ray training at San Diego County General Hospital and continued on the staff, becoming chief technician in 1938. In 1942, he entered the armed services and became the N.C.O. in charge of the x-ray department of the station hospital, Camp McQuaide, California. He returned to his duties at San Diego General Hospital after his discharge from the service, but resigned a year later to attend a university in southern California.

When he left California, he accepted a position with the Alexandria Health Department and Alexandria Hospital. While in Washington, D.C., he was editor of The Line Focus and vice-president of the Mid-eastern Conference. Since then, he has been president of the Virginia Society for two years and editor of their bulletin, The Electron. He became both an R.T. and member of A.S.X.T. in 1950.

At the present time, he is on a special mission for the Quartermaster Corps of the U.S. Army to develop various types of radiographic and fluoroscopic equipment for inspection of quarter-master items. This mission also includes inspection of food prior to and after aerial delivery.

Mr. Browne is another technician with stimulating extracurricular interests. He is an avid student of philosophy, the Civil War and Lincoln. He has had two published articles on Lincoln and has a collection of 117 books about him. Besides all of these activities, he is an amateur photographer and a hi-fi fiend.

ONT. from page 64

Though closely related to the subject "Aortagrams" discussed last month in Ingersoll by Adeline Escaf, the very fact that we heard the details of this special procedure as carried out at Westminster Hospital and saw the equipment used there for this purpose made Mr. Silverthorne's paper doubly interesting to those present at the meeting in Ingersoll last month.

The main point of Ralph's paper was the 14 x 36 grid cassette and tunnel used at Westminster to give continuity to films of the femoral and tibial arteries. This continuity had previously been unobtainable with the former method of using separate 14 x 17 cassettes.

Many interesting films were shown, not only of the lumbar aorta, iliac vessels, femoral and tibial arteries but also some very unusual radiographs showing a combination of opaque media in the colon, aorta with a non-opaque medium present in a kidney, all of which served to produce a most unusual relief pattern.

At the conclusion of Mr. Silverthorne's paper, there was a general discussion on the subject. From this, the topic turned again to the Second International Convention in Washington.

Toward the end of the evening, the Radiologists and the Radiographers met again over coffee and the doctors were brought up to date on our thoughts re sending a delegate, "expense-free," to the Convention. As a result, the "kitty" had a pretty good night.

After a formal "thank-you" to the Radiologists for their co-operation and assistance in putting over last year's Convention here in London, Chairman Tom Patry invited Dr. E. E. Johnston to tell us some of the highlights of the recent Radiological Meeting in Montreal as affecting Technicians and Student Training.

From Dr. Johnston's remarks we learned that some considerable thought has been given to reducing the requirement of High School Physics in Student Applications to the Ontario Society of Radiographers and that, in view of the proposed Health Scheme, the day may come when the Federal Government may subsidize, partly at least, the cost of Student Training.

Mr. Don Anderson, R.T., of Victoria Hospital, voiced the thanks of all visiting members for the hospitality received and for the interesting programme.

The presence of our Provincial Secretary, Miss Barbara Bolton, in our midst, once again a resident of London, was announced to the gathering.

This was a splendid meeting and, I believe, the most progressive one this season.

We had an inspiring evening at the Stratford General Hospital on Wednesday, Feb. 27th, due to the fact that the Radiologist, Dr. W. M. Gilmore, was kind enough to spend the whole evening with us and to provide the entire programme.

Dr. Gilmore's coloured film and "stills" of his motor trip through several states of the United States included some very lovely scenes in and around Washington, D.C., providing your writer with another opportunity to plug the coming Convention and our scheme to send a Delegate to Washington with all expenses paid.

From the Radiological Conference which Dr. Gilmore attended in Chicago last December, we heard a most interesting report on the highly controversial subject of the effects of radiation on animals and humans. Recommendations re safe dosages were shown to have altered somewhat in the last 10-20 years with the increase in knowledge of the subject and many statistics were given to demonstrate this fact.

Dr. Gilmore, in his paper, discussed the progress which has been made in establishing controls over the use of shoe-fitting machines by the general public and, at the same, revealed some rather startling figures regarding the number of unauthorized persons, particularly in the United States, who are using x-ray equipment without proper training.

Approximately 25 members were present and, as always, new acquaintances were made and old ones renewed while being served an exceptionally tasty lunch. The evening was happily concluded with a vote of thanks tendered by Mr. Bob Kay, R.T., of the Woodstock Keneral Hospital and a tour of the X-ray Department.

On March 27th fifty members attended a very interesting meeting at Victoria Hospital, London. One of our principal speakers, Dr. G. G. Copestake, Radiologist at Victoria Hospital, also acted as host for the evening and started things off with a warm welcome to all members present.

Following the reading of the minutes of the previous meeting in Stratford by Adeline Escaf, we were pleased to hear from Barbara Bolton, Secretary of the Ontario Society, a report of the Executive Meeting on March 22nd in Hamilton. This, of course, was mainly about the coming Second International Convention in Washington, and the sale of tickets to the Annual Meeting Dance on May 11th in Oshawa. Barbara

explained the object of this fund-raising project which is to help provide Ontario's share of the cost of the Convention. The door prize—a custom built Hi-Fi set—sounded very attractive.

Also, from the Executive Meeting, Barbara brought a cheque for $15.00, a much-appreciated token of support from the Society to the Western Section's efforts to send a delegate to the Convention.

Business concluded, the first of our two speakers, Dr. Aldridge, Radiologist at Victoria, Hospital, was introduced and this Section heard the first of two of the finest papers ever presented to it. The subject, "Recent Advances in Intravenous Pyelography and Cholangiography," was dealt with in a most efficient, clear and comprehensive manner. Starting with a diagramtic explanation of the physiology of the urinary and biliary systems, Dr. Aldridge took us through a study of the uses and effects of various opaque media, used singly and in combination to outline most satisfactorily the K.U.B. tract and the Biliary system. We learned that these two examinations can now be performed together at one appointment requiring about 90 minutes and we were treated to a practical demonstration of a much-improved method of obtaining compression over the lower ends of the ureters in I.V.P.'s.

Dr. Aldridge told us much, much more and gave us all some very useful guides to follow in producing not only satisfactory but greatly improved radiographs of the urinary and biliary tracts.

Our second speaker, Dr. Copestake, Radiologist, also at Victoria Hospital, brought forward a most delightful yet absorbing illustrated discussion of "Cardiac Techiqnue." Using beautifully simple drawings, cartoon-style, Dr. Copestake described first the anatomy of the heart, gradually adding to the basic structure until he was able to superimpose on his drawings the radiographs which are so familiar to all of us.

Obviously, a great deal of preparation had gone into this paper and one of its highlights was a model of the heart which was so mounted as to not only reveal its anatomy but also its silhouette, in shadow on a frosted glass, throughout the various degrees of rotation which were immediately recognized as representing the familiar radiographic and fluoroscopic positioning.

All present were truly impressed with this most excellent programme and your Chairman felt very inadequate in trying to express the appreciation which was certainly due to Drs. Aldridge and Copestake.

Our thanks also to Mr. Danny Spence, R.T., Senior Technician at Victoria Hospital, who arranged for the speakers and a delicious lunch.

—THOMAS J. PATRY, R.T.,
Chairman, Western Section.

LAKEHEAD SECTION

McKellar Hospital, Fort William was the scene of the February meeting of the Lakehead Section held on Wednesday, February 13th. Mr. Harry Horney presided over the business portion of the meeting during which Miss Helen McKay was elected as representative of the Lakehead Section to the joint International Convention in Washington. A brief report of the progress of the Raffle Committee was given and more tickets were distributed . Mr. S. Labovich was appointed chairman of arrangements for a toboggan party to be held by the group on Saturday, March 2nd. Following the business session three movies on various aspects of medical research were shown and proved of interest to all. A delicious lunch served by members of the host hospital added a tasty touch to the conclusion of the meeting.

Some twenty or more energetic technicians and friends met at McKellar Hospital on the evening of Saturday, March 2n,d and proceeded with toboggans to the hills at Vickers Heights. A bright, crisp night made it excellent for the thrills of zipping down the snowy slopes and those present took full advantage of the opportunity for the next two hours. By this time everyone had worked up an excellent appetite so, while reluctant to leave the outdoor fun, it was decided to return to the home of one of the members where a delicious chili con carne supper was served. Our congratulations and thanks to our good friend Josie Carniato who once again demonstrated the excellence of her culinary ability.

The March meeting of the Lakehead Section was held at the Port Arthur General Hospital on Wednesday, March 13th. In the absence of Mr. H. Horney our regular Chairman, Miss Hazel Pepper presided over the business portion of the meeting. Mr. Gore advised that some of the raffle tickets which had been sent out-of-town had not yet been returned and suggested that the draw should be advanced until such time as these were accounted for. He also moved that the Secretary should write letters of thanks to the Radiologists and Commercial representatives who had assisted us in obtain-

ONTARIO

ing the prizes for this raffle. Mr. J. Whatley then introduced the guest speaker for the evening in the person of Dr. R. N. McKenzie, Radiologist of the Port Arthur General and St. Joseph's General Hospitals. Dr. McKenzie's topic for his most interesting and helpful address was "Some Aspects and Considerations of Radiology and Radiography in Obstetrical Cases." In the course of his talk Dr. McKenzie with the aid of a skeletal model reviewed the anatomy of the maternal pelvis pointing out the bony landmarks which are of prime importance in such cases. He then described the various types of examinations which might be ordered in obstetrical cases and explained what the radiologist expected in these cases for optimum diagnostic efficiency. He pointed out that the standardization of reliable techniques and care in positioning, etc., were important in keeping repeat films to a minimum, thus reducing the radiation hazards to both mother and child. At the conclusion of his address the speaker showed films on a number of the various types of examinations described, pointing out the salient features in each. Dr. McKenzie then answered a number of questions directed to him by the members on different points of interest relating to his talk. Mr. John Logan moved a warm vote of thanks to Dr. McKenzie for this most timely and helpful address which was heartily endorsed by all present. The members were then treated to a tasty luncheon which rounded out the balance of the meeting.

The raffle of the Lakehead Section for the purpose of financing a representative to the International Convention was held on Friday, March 22nd. With Dr. W. A. Horgan acting as draw-master, the following were the lucky ticket holders: 1, Mr. Edgar Mason, Dryden, Ontario; 3, Mr. C. Sprickerhoff, Port Arthur, Ont; 3, Mr. D. Penley, Winnipeg, Manitoba.

We are happy to report that this venture was a financial success and we are extremely grateful to the radiologists and commercial men who kindly contributed towards the prizes. We also wish to sincerely thank those technicians from other cities who assisted us in the sale of tickets.

—R. E. GORE, R.T.,
Sub-Editor.

EASTERN SECTION

A meeting of the Kingston and Belleville radiographers was held at the Hotel Dieu Hospital on March 5th, with thirty-five members present. Major David Guthrie, Kingston Military Hospital, addressed the meeting in a concise and well illustrated on the use of Diodrast as the contrast medium in arthrography of the knee joint. The entire procedure which he employs is carried out in the X-ray Department, using sterile technique and the films of the knee joint are made under fluoroscopic control. Miss Mary Kingsbury, R.T., of Belleville General Hospital, presented a very interesting paper on the evolution of x-ray film from the original glass plates to the wide variety of film now employed in both medical and industrial radiography. The third speaker—Miss Marjorie Brewer, R.T., of Kingston General Hospital, chose as her subject "Angiocardiography." She clearly outlined this type of examination in which, after injection of a contrast medium, a series of x-ray exposures were made in rapid succession over a period of a few seconds combining to demonstrate the cardiac vessels and chambers.

Those in charge of the arrangement of this meeting were most appreciative of the attendance of seven of the district radiologists. This help and encouragement will add further incentive to the preparation of future meetings.

—E. MARGUERITE BOLSTER, R.T.

NORTHERN SECTION

The sixteenth meeting of the Northern Section of the Ontario Society of Radiographers will be held in Espanola, at the General Hospital at 6.30 p.m. on April 27th, 1957.

We are pleased to accept the kind invitation of Mrs. Audrey Sommerville on behalf of the hospital which has been open to us for some time. Plans are shaping up for the meeting very favourably: First we are invited to tour the K.V.P. Pulp and Paper Mill, which is the pulse of the community. From pleasure to business we shall start the business meeting and hear a lecture to be given on the shoulder girdle by Mr. Robert Sagima, R.T. There are expectations of a film to conclude the meeting.

We are inviting everyone of the Northern Section to make a real effort to attend this meeting as it should prove very interesting, especially since we have not had the opportunity to gather since November.

Last but not least, there are also plans coming along for possibly three or four technicians to attend the International Convention in Washington. Thought is being given to a means of transportation; possibly there will be a car pool arranged if there is enough interest.

—JANET PUNCH,
Sub-Editor.

QUEBEC SOCIETY OF X-RAY TECHNICIANS

The Quebec Society held a general meeting on February 16th, 1957, at the Royal Victoria Hospital. Mr. Bernard Marchand was on hand earlier to meet with the student members to discuss and demonstrate technical problems.

After a short business session, the meeting was devoted to our new policy of discussing techniques. Shoulder and elbow techniques and arthograms were demonstrated by Don Fisk and Archie Wilkinson. Dr. Jean gave his advice on these subjects and the audience took an active part in the discussion. All present agreed that this type of meeting was very interesting and we are greatly indebted to Dr. Jean for his invaluable help. The executive is to be congratulated on their efforts and we look forward to coming meetings of this kind.

Successful candidates of the C.S.R.T. Examinations were presented with their certificates by Dr. C. B. Peirce and afternoon tea was served in an adjoining room. Parents and friends of the new graduates were present and all enjoyed getting acquainted with our new members.

Our thanks go to Mr. Paul Berty of Eastman Kodak who provided the beautiful flowers for our tea table.

April 6th, 1957, was a red letter day for the Quebec Society, when a long-talked-of meeting took place. For some time, it has been felt that a General Meeting should be held outside of Montreal, so our members in the eastern part of the province could more readily attend. An invitation was extended by Hopital St. Michel Archangel on the outskirts of Quebec City, and, bright and early on Saturday, the 6th, about twenty members of the Montreal District left by private cars for the 180-mile drive to Quebec.

We were warmly welcomed to the hospital by Sister St. Ferdinand. Mr. Blais, Senior X-Ray Technician of the hospital, acted as Chairman for the afternoon. Our President, Mr. Don Fisk, read the minutes of the last meeting and Sister Ste. Berenice translated in French.

Mr. Fisk then demonstrated the copying of films through solarization process.

Sister Claude-Antoine from Hopital St. Francois d'Assise, Quebec, gave a paper on "Scientific Study of the X-Ray Department."

Mr. Marcel Jobin of Hotel-Dieu, Quebec, gave an illustrated paper on "The Photo-Electric Cell in Radiology."

Our President then gave us a few timely words of greeting and advice. He said that this meeting was the first step in the growth of our Society from a local to a provincial level, and he hoped that it was a forecast of many such meetings to come.

Dr. Mathieu Samson, Chief Radiologist of the Hospital, then gave us further welcome, and said he hoped that soon every hospital and radiologist's office would be staffed with only registered technicians.

A very substantial and colorful tea was served and a tour of the Department of Radiology was conducted. We reluctantly departed at 5.30 p.m. in the midst of a snowstorm, for our return trip to Montreal. It was well worth a long drive to have such a successful meeting and greet new friends in our Society. We hope this will only be the beginning of such meetings, now that we find it is possible to get together in this way.

We hope to see a lot of familiar faces in Washington in June; then—Happy Summer Holidays to everyone!

—EDWINA BOA, R.N., R.T.,
Sub-Editor.

SASK. con. from page 62

Callum, Regina General Hospital, on her recent engagement to Bob Abrams.

The welcome mat is always out for all x-ray technicians who come to Regina. Mr. Glenn Lowe, R.T., formerly of the Winnipeg Children's Hospital, is welcomed to the Regina General Hospital.

Miss Donna Wills, Regina General Hospital, left for Montreal on February 1st. Best of luck, Donna.

Another Donna who has departed is Miss Donna Cathcarth, R.T., of Drs. Perry & Bawden office, who has left to work at the Calgary General Hospital.

Miss Anne Dynna, R.T., has left the cold prairies and the Grey Nuns' Hospital for the warmer climate at Kamloops, B.C. Good luck in Kamloops, Anne.

—GLADYS HETTERLY, R.T.,
Secretary, Regina Section.

At your fingertips--

a complete guide to x-ray supplies

New 138-page G-E catalog has 1,775 listings, 80 new products

Every supply and accessory item you need

Handy to use — fully cross-indexed, no separate price list

If you haven't received your copy, see your G-E x-ray representative, or mail this coupon.

Progress Is Our Most Important Product

GENERAL ELECTRIC

X-Ray Department, General Electric Co.
Milwaukee 1, Wisconsin, Rm. HH-26

Gentlemen: Please send me your new "X-Ray Supplies and Accessories" catalog.

Name.....

Position.....

Institution.....

Address.....

City.....

LA SOCIETE DES TECHNICIANS EN R.X. DE LA PROVINCE DE QUEBEC

Le 16 février 1957.

Assemblée générale tenue à l'Hôpital Royal Victoria sous la présidence de Monsieur D. Fisk.

Plusieurs démonstrations de films ont été étudiées afin que chacun puisse tirer profit de ces études.

Le Docteur Carleton B. Pierce a distribué les diplômes aux candidats qui ont passé les examens.

Sincères félicitations et bon succès dans leur champ de dévouement.

Après l'assemblée, un goûter fut servi aux invités.

La corbeille de fleurs qui ornait la table des diplomés, fut donnée par la compagnie Eastman Kodak et offerte par son représentant Monsieur Paul Berty.

Tous s'en retournèrent enchantés de leur après-midi.

Assemblée générale du 6 avril, 1957, à l'Hôpital St.-Michel-Archange, Québec

Date marquée au coin, d'une fraternité toute française dont Québec reste depuis toujours, la fidèle gardienne. Réunion à l'Hôpital St-Michel-Archange, pour l'assemblée annuelle.

Soeur St-Ferdinant s.c.q., directrice du cours de perfectionnement en neuro-psychiatrie, nous souhaite la bienvenue en des termes fort chaleureux. "Québec, nous dit-elle, entend faire honneur à sa réputation de ville hautement hospitalière." Elle y réussit parfaitement. Vient ensuite la lecture des minutes de la dernière assemblée. Puis, Monsieur Donald Fisk nous fait voir des films obtenus par la méthode de solarisation.

Cette démonstration est des plus intéressantes Notre registraire, Mlle M. Magnan, fait la traduction française de ce bel exposé.

Soeur Claude antoine s.f.a. R.T., de l'hôpital St-François d'Assise, nous présente un très beau travail touchant l'organisation scientifique du service radiologique. Félicitations.

La cellule photo-électrique fait ensuite l'objet d'une savante conférence par Monsieur Adrien Jobin, R.T. Avec précision et clarté, Monsieur Jobin nous explique le fonctionnement de cet appareil qui peut nous rendre d'inestimables services. Monsieur Jobin a droit à nos remerciements. Grâce à lui, cette cellule nous semblera désmorais moins mystérieuse.

Aux mains de Monsieur Robert Tassé de l'hôpital Laval, la tomographie prend une signification de toute première valeur. On découvre son rôle de détectrice, en ce qui concerne les masses tumorales, les cavernes pulmonaires et combien d'autres éléments que le cliché conventionnel est souvent impuissant à présenter. Cette causerie a suscité beaucoup d'intéret chez tous. La tomographie est un atout fort précieux dans le dépistage radiologique. Elle a très souvent le dernier môt.

Dans l'ensemble, tous ces exposés scientifiques ont stimulé beaucoup d'enthousiasme. Il faut rendre un hommage d'admiration à ces brillants conférenciers dont les informations augmentent nos connaissances dans les divers domaines qui touchent notre spécialité.

Notre président d'honneur, le Docteur Mathieu-Samson, chef du Service de Radiologie de l'hôpital St-Michel-Archange, prend ensuite la parole. Avec son éloquence habituelle, il nous fait voir les risques d'un médecin-radiologiste qui doit interpréter des clichés qui viennent de centre éloignés. Il s'agit là d'un problème très sérieux. Le conférencier insiste beaucoup pour qu'on ait au moins une technicienne qualifiée en ces milieux moins favorisés. Si les films sont effectués suivant une bonne technique, leur interprétation s'en améliore d'autant.

Vient ensuite la nomination des Comités pour le choix des candidates aux prochaines élections. Soeur Marie Judith et Mlle Claire Bélanger sont choisies pour le comité français alors que Messieurs J. Cheffin et J. Anglier iront du côté anglais.

Monsieur D. Fisk félicite chaleureusement les autorités de l'hôpital pour la splendide réception qu'elles nous ont offerte.

Tous se promettent bien de se retrouver dans cette ambiance tellement favorable aux rapprochements de nos deux groupes ethniques.

Pour nous, d'origine française, un séjour dans la ville de Champlain, marque toujours une étape, une sorte de retour aux grandes sources de la foi, du travail et de cet humanisme qui sont les fines fleurs de nos ascendances gauloises.

Ne pas oublier la grande Internationale de 1961!

Profonds remerciements à Soeur Ste Bérénice pour la traduction française.

—SOEUR MARIE DE LA SAINTE-FAMILLE, I.L., R.T., Rédactrice adjointe.

NEW BRUNSWICK SOCIETY OF X-RAY TECHNICIANS

The March meeting of the New Brunswick Society of X-Ray Technicians was held on Saturday, the 23rd, at St. Joseph's Hospital. Miss Kay Creelman, president, was in the chair.

Again the question of Legislation came up, but was tabled until word was received from British Columbia as to their results. A report was given concerning the dance held by the Saint John technicians at the Admiral Beatty Hotel on March 2nd. This dance was thoroughly enjoyed by all and financially it was a great success.

Suzanne Farrer, Lola Lacasse and Paul Fuller, all students at St. Joseph's Hospital, gave a most interesting talk and demonstration titled "Coned Radiography of the Spine with Special Consideration to Anatomy and Surface Landmarks." Next on the programme, Clare Hutchison of St. Joseph's delivered a paper titled "Ethics, Defined." Lunch was then served by the technicians.

Plans were made for the Annual Meeting to be held at the Polio Clinic in Fredericton on May 11th.

The many friends of Sister deLellis will be sorry to know that she is a patient of St. Joseph's Hospital, following an injury to the hip.

—CLARE HUTCHISON, R.T.,
Sub-Editor.

CASH FOR OLD X-RAY FILM

We Buy Used and Out-dated Film (any size)

YOU NEED THE SPACE
WE NEED THE FILM BASE

Write or Phone Us For Our Generous Price Offer
We Pay Freight Charges
Giving Satisfaction For Over 20 Years

DISCARDED FILM PRODUCTS

Canada's Oldest Film Salvage Firm
117 St. Patrick Street, Toronto, Ont.
EM 3-4716; EM 3-0551 **Evenings: OR 0832**

TECHNICIANS WANTED

PROVINCE OF NOVA SCOTIA
VICTORIA GENERAL HOSPITAL
requires
Chief Technician, X-Ray (Diagnostic)

Applicants should have had previous experience as Chief or Assistant Chief Technician in a modern department and should be capable of supervising and teaching in a Technical Training School. Salary Range $3,060-$3,450.

All Civil Service benefits, Pension, Vacation, Sick Leave, etcetera. Applications Forms may be obtained from NOVA SCOTIA CIVIL SERVICE COMMISSION, P.O. Box 943, Branch 230.

PROVINCE OF NOVA SCOTIA
Victoria General Hospital
Halifax, N.S.
requires
2 Certified Radiotherapy Technicians
as locums
from July 15th to September 30th, 1957
in Radiotherapy Department.

Further information may be obtained from Dr. J. E. Stapleton, Victoria General Hospital, Halifax, Nova Scotia, and Application Forms may be obtained from
NOVA SCOTIA CIVIL SERVICE COMMISSION, P.O. Box 943, Halifax, Nova Scotia, Halifax, Nova Scotia, or by telephone 2-7341—or by telephoning 2-7341—Branch 230.

WANTED—Technician for the Radiology Department. New equipment—New Hospital under construction in beautiful Niagara Falls, Ontario. Good personnel policies. Apply Dr. M[illegible]garet Bickle, The Greater Niagara General [illegible]pital, Niagara Falls, Ontario.

Position open for Qualified X-Ray Technician. Excellent working conditions in 75-bed Hospital. Apply to Superintendent, Carleton Memorial Hospital, Woodstock, N.B.

C.S.R.T.
BLAZER
CRESTS

Price $6.00

Order from JACK REYNOLDS
153 James Street South
Hamilton, Ontario

C.S.R.T. Rings and Lapel Pins

LADY'S SOLID SHANK STYLE RING
10 karat yellow gold $14.50
Sterling silver .. 4.50

LADY'S SPLIT SHANK STYLE RING
10 karat yellow gold $12.00
Sterling silver .. 3.75

GENT'S STYLE RINGS
10 karat heavy yellow gold $18.75
Heavy Sterling silver 6.75

LAPEL PINS AND BUTTONS
Lady's style pin with safety clasp $2.00
Man's style lapel button 2.00

MADE BY
Johnson-Hutchinson Ltd.
JEWELLERS
"The Perfect Diamond House"
286 Portage Avenue Winnipeg, Manitoba

Members wishing to purchase either C.S.R.T. Lapel Pins or Rings should first apply to the Society Registrar, Miss M. A. McMillan, R.N., R.T., Ste. 6, 1247 Burnaby St., Vancouver, for a purchase authorization certificate. These can also be obtained by members who have passed their R.T. examinations before reaching the age of 21. This certificate, together with a money order covering cost of purchase (please make small allowance for postage, etc.) should be sent direct to the jewellers.

Micropaque's unique *thin-spread* radiopacity

outlines rather than *fills*

it's like "painting with barium" when you use

MICROPAQUE

Closest approach yet to an ideal gastric radiopaque. A true colloid, devoid of conventional suspensive agents, Micropaque won't flocculate in the presence of acidic or alkaline secretions. Get it at any local Picker X-Ray office.

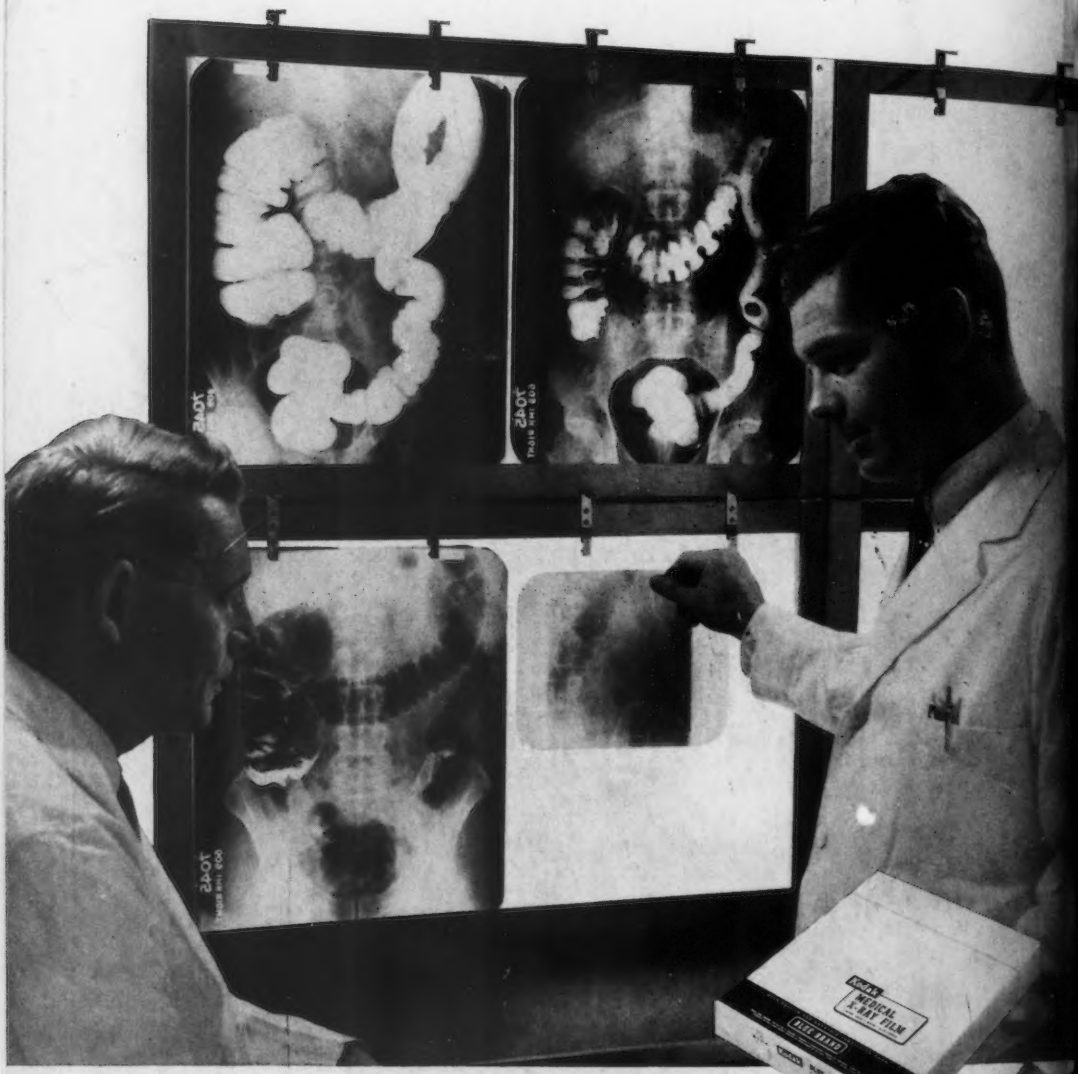
★

x-ray

or write Picker X-Ray Engineering Ltd., 1074 Laurier Ave. W., Montreal, P.Q.

In double contrast studies...

for example—have you noticed how consistently Kodak Blue Brand X-ray Film provides clarity of detail throughout low-density areas? Blue Brand's uniformity of response, its contrast, and inherent low fog level make this possible.



Order from your Kodak x-ray dealer

CANADIAN KODAK CO., LIMITED . . . Toronto 9, Ontario

Kodak